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CONTENTS

Conservation
- Natural resources 2
- Soils 2
- General conservation 3
- Conservation education 3

Plants
- General, ecology, techniques 4
- Floras, communities, manuals 4

Wildlife
- Biometrics 5
- Food habits studies 5
- Faunas, natural history, manuals .. 5
- Natural areas & refuges 5
- Introductions 6
- Morphology & physiology 6
- Behavior 6
- Pesticides & pollution 6
- Parasites & diseases 7
- Economics, damage, predation, control 8
- Hunting--areas & problems 8
- Harvest & hunting statistics 9
- Management & research--general 9
  - Wetlands & wildlife 10
  - Rangeland, tundra & wildlife 10
  - Forests & wildlife 10
  - Environmental impacts & assessments 11

Mammals
- General 11
- Techniques 12
- Faunas, communities, manuals 13
- Morphology & physiology 14
- Behavior 15
- Pesticides & pollution 15
- Parasites & diseases 19
- Economics, damage, predation control 20
- Marsupials 21
- Moles, shrews, other insectivores . 22
- Bats 23
- Rabbits & pikas 27
- Rodents
  - General 28
  - Sciurids 29
  - Beaver, muskrat, nutria 33
  - Rats & mice 33
    - Rattus & Mus 33
    - Other rodents 35
- Carnivores
  - Canids 43
  - Bears 45
  - Raccoons, ringtail, coati 46
  - Mustelids 46
  - Cats 47
  - Other carnivores 47
- Marine mammals 48
- Ungulates
  - General 49
  - Odocoileus 50
  - Other cervids 55
  - Other ungulates 63
- Other mammals 66

Birds
- General 67
- Ecology, natural history, evolution 68
- Techniques 68
- Other techniques 70
- Faunas, communities, manuals 70
- Behavior 76
- Population dynamics 79
- Migration & banding reports 80
- Mortality & survival 82
- Pesticides & pollution 82
- Parasites & diseases 88
- Economics, damage, predation, control 89
- Gallinaceous birds
  - General 90
  - Grouse & ptarmigan 90
  - Phasianidae
    - Bobwhite 91
    - Ring-necked pheasant 92
    - Other phasianidae 92
  - Turkey 93
- Doves & pigeons 93
- Waterfowl
  - General 95
  - Ducks 96
  - Swans & Geese 99
- Loons & grebes 100
- Shorebirds, marshbirds & allies ... 101
- Seabirds & allies 106
- Raptors 110
- Passerine birds
  - General 115
  - Blackbirds, starlings, crows 116
  - Other passerine birds 119
- Other birds 129

Amphibians & reptiles 131
- Amphibians 132
- Salamanders 140
- Reptiles 140

Author Index 153

Geographic Index 188

Kenneth J. Chiavetta, editor
Terry N. Sexson, assistant editor

NATURAL RESOURCES

76-002842 Cairns, John, Jr. CRITICAL SPECIES, INCLUDING MAN, WITHIN THE BIOSPHERE. Naturwissenschaften 62 (5): 193-199. May 1975. WR 163

[Va. Polytech. Inst. & State Univ., Blacksburg 24061] Abstract: The protection of critical ecosystems appears to be a sounder management strategy than the protection of critical speices. Environmental quality-control systems designed to protect eccsystems are described. These quality-control systems will make it possible to optimize the ability of ecosystems to assimilate and transfcrm wastes and protect them from degradation.

SOILS

76-002843 Hokanson, Hilding L. , and others SOIL SURVEY OF PIPESTONE COUNTY, MINNESOTA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 91p. + single-fold maps based on aerial photos and bound in. Mar. 1976. WR 163

76-002844 Huckle, Horace F. , and others SOIL SURVEY OF BREVARD COUNTY, FLORIDA. U.S. Dep Agric. Soil Conserv. Soil Surv. i + 123p. + single-fold maps based on aerial photos and bound in. Nov. 1974. WR 163

76-002845 Millbrandt, A. C. SOIL SURVEY OF JEFFERSON DAVIS COUNTY, MISSISSIPPI. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 55p. + single-fold maps based on aerial photos and bound in. Apr. 1976. WR 163

76-002846 Nickell, Allan K. SOIL SURVEY OF JENNINGS COUNTY, INDIANA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 91p. + single-fold maps based on aerial photos and bound in. Mar. 1976. WR 163

76-002847 Reybold, William U. III; Mathews, Earle D. SOIL SURVEY OF BALTIMORE COUNTY, MARYLAND. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 149p. + single-fold maps based on aerial photos and boiund in. Mar. 1976. WR 163

76-002848 Richmond, Davie L. SOIL SURVEY OF THE WILLCOX AREA, ARIZONA. PARTS OF COCHISE AND GRAHAM COUNTIES. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 73p. + single-fold maps based on aerial photos and bound in. Apr. 1976. WR 163

76-002849 Stott, Laural H.; Olsen, Marvin E. SOIL SURVEY OF BEAVER-COVE FORT AREA, UTAH. PARTS OF BEAVER AND MILLARD COUNTIES. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 138p. + single-fold maps based on aerial photos and bound in. May 1976. WR 163

76-002850 Woodward, Lowell, , and others SOIL SURVEY OF THE HEBER VALLEY AREA, UTAH. PARTS OF WASATCH AND UTAH COUNTIES. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 124p. + single-fold maps based on aerial photos and bound in. Apr. 1976. WR 163

76-002851 Worster, John R.; Harvey, Elmer H. SOIL SURVEY OF PLYMOUTH COUNTY, IOWA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 75p. + single-fold maps based on aerial photos and bound in. Jan. 1976. WR 163

GENERAL CONSERVATION

76-002852 Walters, S. M. THE CONSERVATION OF THREATENED VASCULAR PLANTS IN EUROPE. Biol. Conserv. 10 (1): 31-41. July 1976. WR 163
[Univ. Botanic Garden, Cambridge CB2 1JF, England] Abstract: With the five-volume work /Flora Europaea/ nearing completion, it has become possible to prepare a reasonably accurate list of threatened vascular plants for the whole European continent. This paper gives an account of this international conservation project, and considers the use of such data in formulating policies of nature conservation on a national, continental and world scale. Recommendations are made for future action.

CONSERVATION EDUCATION

76-002853 Gillam, Harry DO WE NEED A SOUTHEASTERN INFORMATION AND EDUCATION UNIT? Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 787-788. 1975. WR 163
[Va. Game Comm., Richmond]

76-002854 Laub, Kenneth W.; Cannon, Allen W.; Keener, James M. WILDLIFE CONSERVATION IN OHIO: RECOMMENDED READINGS. Ohio Wildl. Manage. Assoc. and Ohio Chapter, Wildl. Soc. iv + 84p. Mar. 1976. Available from Ohio Biological Survey, Ohio State University, 484 West 12th Ave., Columbus 43210. WR 163

76-002855 Stone, Robert Clark BREAKTHROUGHT IN TRAINING FOR WILDLIFE LAW ENFORCEMENT OFFICERS. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 759-763. 1975. WR 163
Abstract: The wildlife officer, whether he be called a conservation officer, game protector, game and fish enforcement officer or simply game warden, must be a real professional. He needs most of the knowledge that a professional policeman needs. He also needs a working knowledge of many subjects peculiar to the out-of-doors. The breakthrough in training that has already occurred for police should be immediately extended to wildlife law enforcement officers. This, coupled with maintenance of high standards and increases in pay, should do much to professionalize this important occupation.

PLANTS--GENERAL, ECOLOGY, TECHNIQUES

76-002856 Read, Robert H. ENDANGERED AND THREATENED VASCULAR PLANTS IN WISCONSIN. Wis. Dep. Nat. Resour. Scientific Areas Preservation Council Tech. Bull. no. 92. 58p. 1976. WR 163
Two hundred sixty-eight taxa are included in the list, 120 endangered, 106 as threatened, 28 as status unknown but probably extirpated, and 14 as extirpated. --From abstr.

PLANTS--FLORAS, COMMUNITIES, MANUALS

76-002857 Dafni, Amots; Agami, Moshe EXTINCT PLANTS OF ISRAEL. Biol. Conserv. 10 (1): 49-52. July 1976. WR 163
[Univ. Liverpool, Liverpool, England L69 3BX] Abstract: As a result of rapid land development in Israel during the past three decades, some 26 species of higher plants, about one percent of the local flora, have become extinct. In addition to listing such species, this paper deals with the ecological implications of this finding. Recommendations for the prevention of further damage to the local flora, and rare plants in particular, are given.

WILDLIFE--TECHNIQUES

76-002858 Dowler, Robert C.; Genoways, Hugh H. SUPPLIES AND SUPPLIERS FOR VERTEBRATE COLLECTIONS. Museology no. 4. 86p. 1976. Available at $3.00 from the Museum, Texas Tech University, Lubbock 79409. WR 163
[Fort Hays Kans. State Coll., Hays 676017]

76-002859 Goodson, Brantley; Hogan, Mike; Curtis, Donald E.; Harris, Dexter C.; Lewis, Thomas C. AIRCRAFT CONTRIBUTIONS TOWARD GAME & FISH LAW ENFORCEMENT. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 721-729. 1975. WR 163
[Fla. Game & Fresh Water Fish Comm., Tallahassee 32304]

76-002860 Sargeant, Alan B.; Kruse, Arnold D.; Afton, Alan D. USE OF SMALL FENCES TO PROTECT GROUND BIRD NESTS FROM MAMMALIAN PREDATORS. Prairie Nat. 6 (3&4): 60-63. Sept.-Dec. 1974. WR 163
[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401] /Sterna sandvicensis/, /Pedioecetes phasianellus/ and /Anas clypeata/.

WILDLIFE--BIOMETRICS

76-002861 Caswell, Hal COMMUNITY STRUCTURE: A NEUTRAL MODEL ANALYSIS. Ecol. Monogr. 46 (3): 327-354. 1976. WR 163
[Univ. Conn., Storrs 06268]

76-002862 Raines, James Allen MODELING STUDIES OF SMALL MAMMAL TRAPPING PHENOLOGY, AND PLANT SUCCESSION IN THE KAIPAROWITS REGION, KANE COUNTY, UTAH. Ph. D. dissertation, Brigham Young Univ. 126p. 1975. From Diss. Abstr. Int. B Sci. Eng. 37(2), 1976. WR 163

WILDLIFE--FOOD HABITS STUDIES

76-002863 Wilson, David Sloan DEDUCING THE ENERGY AVAILABLE IN THE ENVIRONMENT: AN APPLICATION OF OPTIMAL FORAGING THEORY. Biotropica 8 (2): 96-103. June 1976. WR 163
[Univ. Wash., Seattle 98195] Preliminary information on tropical-temperate gradients for birds is given.--From abstr.

WILDLIFE--FAUNAS, NATURAL HISTORY, MANUALS

76-002864 Hirshfield, Michael F.; Tinkle, Donald W. NATURAL SELECTION AND THE EVOLUTION OF REPRODUCTIVE EFFORT. Proc. Natl. Acad. Sci. 72 (6): 2227-2231. June 1975. WR 163
[Univ Mich., Ann Arbor 48104]

76-002865 Krapu, Gary L.; Duebbert, Harold F. A BIOLOGICAL SURVEY OF KRAFT SLOUGH. Prairie Nat. 6 (3&4): 33-55. Sept.-Dec. 1974. WR 163
[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401]

WILDLIFE--NATURAL AREAS & REFUGES

76-002866 Diamond, Jared M. ISLAND BIOGEOGRAPHY AND CONSERVATION: STRATEGY AND LIMITATIONS. Science 193 (4257): 1027-1029. 10 Sept. 1976. WR 163
[Univ. Calif. Med. Cent., Los Angeles 90024] "If the best solution of a system of multiple large refuges cannot be achieved, the best compromise would be one refuge as large as possible plus some smaller refuges.... Biologists should familiarize themselves with the island dilemma so that their arguments for large refuges will be explicit and persuasive."

WILDLIFE--INTRODUCTIONS

76-002867 Fansler, R. K. STATE OF GEORGIA ANIMAL IMPORTATION CONTROL. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 698-715. 1975. WR 163
[Ga. Dep. Nat. Resour., Atlanta 30334]

WILDLIFE--MORPHOLOGY & PHYSIOLOGY

76-002868 Folk, G. E., Jr. PHOTOPERIODISM AND THE PHYSIOLOGY OF THE PINEAL GLAND. Int. J. Biometeor. 19 (4): 217-218. 1975. WR 163
[Univ. Iowa, Iowa City]

76-002869 Guard, Charles L.; Murrish, David E. EFFECTS OF TEMPERATURE ON THE VISCOUS BEHAVIOR OF BLOOD FROM ANTARCTIC BIRDS AND MAMMALS. Comp. Biochem. Physiol. A Comp. Physiol. 52 (2): 287-290. 1 Oct. 1975. WR 163
[Case Western Reserve Univ., Cleveland, Ohio 44106] Seals, penguins, seabirds and waterfowl.

76-002870 Hay, A. W. M.; Watson, G. THE PLASMA TRANSPORT PROTEINS OF 25-HYDROXYCHOLECALCIFEROL IN FISH, AMPHIBIANS, REPTILES AND BIRDS. Comp. Biochem. Physiol. B Comp. Biochem. 53 (2): 167-172. 1976. WR 163
[Nuffield Inst. Comp. Med., Regent's Park, London NW1, England] The transport proteins of 25-hydroxycholecalciferol were studied in 22 species of fish, 12 species of amphibians, 5 species of reptiles and 19 species of birds.--From abstr.

WILDLIFE--BEHAVIOR

76-002871 Fenton, M. B.; Fleming, T. H. ECOLOGICAL INTERACTIONS BETWEEN BATS AND NOCTURNAL BIRDS. Biotropica 8 (2): 104-110. June 1976. WR 163
[Carleton Univ., Ottawa, Ontario, Canada K1S 5B6]

WILDLIFE--PESTICIDES & POLLUTION

76-002872 Greenhouse, Gerald THE EVALUATION OF TOXIC EFFECTS OF CHEMICALS IN FRESH WATER BY USING FROG EMBRYOS AND LARVAE. Environ. Pollut. 11 (4): 303-315. Dec. 1976. WR 163
[Natl. Inst. Health, Bethesda, Md. 20014] /Rana pipiens/ and /Xenopus laevis/.

76-002873 Janda, Jiri STUDIUM TOXICITY NOVEHO RODENTICIDNIHO PRIPRAVKU "GRAZIN 10-GRANULE" NA LOVNOU ZVER. [STUDY OF THE TOXICITY OF NEW RODENTICIDE "GRAZIN 10-GRANULE" FOR HUNTING GAME.] Prace VULHM 45: 27-38. 1974. In Czech with Russian and English summ. WR 163
/Phasianus colchicus/ and /Lepus europaeus/.

76-002874 Johnson, Donald R. SHORT-TERM EFFECTS OF SILICONE ANTITRANSPIRANT ON BIRD AND MAMMAL POPULATIONS. Northwest Sci. 50 (3): 156-159. Aug. 1976. WR 163
[Univ. Idaho, Moscow 83843] Abstract: Aerial application of a 5 percent emulsion of polydimethysiloxane and a water carrier at a rate of 40 gal/acre had no short-term effect on rodent numbers or their reproduction in a cedar-hemlock watershed of northern Idaho. Song bird nesting was apparently unaffected also.

76-002875 Lock, J. W.; Solly, S. R. B. ORGANOCHLORINE RESIDUES IN NEW ZEALAND BIRDS AND MAMMALS. 1. PESTICIDES. N.Z. J. Sci. 19 (1): 43-51. Mar. 1976. WR 163
[Minist. Agric. & Fisheries, Private Bag, Upper Hutt, New Zealand]

76-002876 Owen, Patty J.; Wells, Marion R. INSECTICIDE RESIDUES IN TWO TURTLE SPECIES FOLLOWING TREATMENT WITH DDT. Bull. Environ. Contam. Toxicol. 15 (4): 406-411. Apr. 1976. WR 163
[Middle Tenn. State Univ., Murfreesboro 37132] /Chrysemys scripta/ and /C. picta/ in Tennessee.

76-002877 Robinson, K. M.; Wells, M. R. RETENTION OF A SINGLE ORAL DOSE OF CADMIUM IN TISSUES OF THE SOFTSHELL TURTLE, /TRIONYX SPINIFER/. Bull. Environ. Contam. Toxicol. 14 (6): 750-752. Dec. 1975. WR 163
[Wells: Middle Tenn. State Univ., Murfreesboro 37130]

76-002878 Witherspoon, Frank G., Jr.; Wells, Marion R. ADENOSINE TRIPHOSPHATASE ACTIVITY IN BRAIN, INTESTINAL MUCOSA, KIDNEY, AND LIVER CELLULAR FRACTIONS OF THE RED-EARED TURTLE FOLLOWING IN VITRO TREATMENT WITH DDT, DDD, AND DDE. Bull. Environ. Contam. Toxicol. 14 (5): 537-544. Nov. 1975. WR 163
[Middle Tenn. State Univ., Murfreesboro 37130] /Chrysemys scripta elegans/.

WILDLIFE--PARASITES & DISEASES

76-002879 Cerna, Z.; Louckova, M. /MICROTUS ARVALIS/ AS THE INTERMEDIATE HOST OF A COCCIDIAN FROM THE KESTREL (/FALCO TINNUNCULUS/). Folia Parasitol. (Prague). 23 (2): 110. 1976. In English. WR 163
[Charles Univ., Prague, Czechoslovakia]

76-002880 Falade, S.; Durojaiye, O. A. SALMONELLAE ISOLATED FROM CAPTIVE ANIMALS IN IBADAN, WESTERN STATE OF NIGERIA. J. Wildl. Dis. 12 (3): 464-467. July 1976. WR 163
[Univ. Ibadan, Ibadan, Nigeria]

WILDLIFE--ECONOMICS, DAMAGE, PREDATION, CONTROL

76-002881 Broadley, Donald G. PREDATION ON BIRDS BY REPTILES AND AMPHIBIANS IN SOUTH-EASTERN AFRICA. Honeyguide no. 76. 19-21. Nov. 1973. WR 163
[Natl. Mus. & Monument of Rhodesia, Umtali, Rhodesia] This is the first of two articles dealing with predation on birds by reptiles and amphibians and /vice versa/ in south-eastern Africa, i.e. Rhodesia, Botswana, Zambia, Malawi and Mocambique."

76-002882 Broadley, Donald G. PREDATION BY BIRDS ON REPTILES AND AMPHIBIANS IN SOUTH-EASTERN AFRICA. Honeyguide no. 78. 11-19. May 1974. WR 163
"This article is complementary to the one that appeared in /Honeyguide/ 1973:76:19-21."

76-002883 Janzen, Daniel H. THE DEPRESSION OF REPTILE BIOMASS BY LARGE HERBIVORES. Am. Nat. 110 (973): 371-400. May-June 1976. WR 163
[Univ. Pa., Philadelphia 19174] "I hypothesize that a large biomass of large wild herbivores in a habitat should severely hepress the biomass of reptiles in that habitat. This is based on two somewhat distinct kinds of predation on reptiles by carnivorous birds and mammals, and, more indirectly, on two kinds of habitat modification by large herbivores."

76-002884 Wollkind, David J. EXPLOITATION IN THREE TROPHIC LEVELS: AN EXTENSION ALLOWING INTRASPECIES CARNIVORE INTERACTION. Am. Nat. 110 (973): 431-447. May-June 1976. WR 163
[Wash. State Univ., Pullman 99163] A three-component carnivore-herbivore-plant ecosystem is studied by assuming that these populations are differentiable functions of a continuous time variable, the sizes of which are governed by first-order coupled nonlinear differential equations such that the carnivore exploits the herbivore and the herbivore exploits the plant.--From summ.

HUNTING--AREAS & PROBLEMS

76-002885 Baker, Robert S. HUNTER SAFETY GOES TO SCHOOL... A CLASSROOM CHALLENGE TO THE ANTI CROWD. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 752-753. 1975. WR 163
[Ga. Dep. Nat. Resour., Atlanta 30334]

76-002886 Eyman, F. E. "Bud" THE CHALLENGE. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 745-748. 1975. WR 163
[Mo. Dep. Conserv., Jerfferson City] Hunting-anti-hunting issue.

76-002887 Jones, Arvin E. ROADBLOCK JUNCTION--ARKANSAS STATE HIGHWAYS 53 AND 24. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 768-772. 1975. WR 163
[Ark. Game & Fish Comm., Little Rock 72201] Case history.

76-002888 Kerrich, James N. HUNTING ETHICS--A CHALLENGE TO THE ANTI-HUNTING MOVEMENT. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 748-751. 1975. WR 163
[Va. Comm. Game & Inland Fisheries, Richmond]

76-002889 Sepik, Greg F.; Michael, Edwin D. THE ROLE OF ACCESS IN HUNTER USE OF CANAAN VALLEY, WEST VIRGINIA. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 682-686. 1975. WR 163
[W. Va. Univ., Morgantown]

76-002890 Stout, Gene G. EFFECTS OF FEE HUNTING ON A PRIVATE LAND WILDLIFE MANAGEMENT PROGRAM. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 668-682. 1975. WR 163
[Rt. 3, Box 17, Center, Tex. 75935]

76-002891 Webb & Athey, Inc. WILL HUNTERS GO DOWN FIGHTING--WITH BOTH HANDS TIED BEHIND THEIR BACKS? Proc. Annu. Conf. Southeast Assoc. Game Fish Comm. 28: 789-793. 1975. WR 163
Hunting/Anti-hunting issue.

WILDLIFE--HARVEST & HUNTING STATISTICS

76-002892 Cross, Gerald H.; Groves, David L. THE IMPACT OF THE "ENVIRONMENTAL MOVEMENT" UPON HUNTING AND FISHING. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 776-786. 1975. WR 163
[Va. Polytech. Inst. & State Univ., Blacksburg 24061]

WILDLIFE--MANAGEMENT & RESEARCH--GENERAL

76-002893 Byford, James L. NEW METHOD OF ESTABLISHING BICOLOR PLANTINGS ON PRIVATE LANDS. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 694-697. 1975. WR 163
[Tenn. Agric. Ext. Serv., Knoxville]

76-002894 Clapper, Louis S. CONSERVATIONIST'S VIEW OF TODAY'S WILDLIFE LAW ENFORCEMENT. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 756-759. 1975. WR 163
[Natl. Wildl. Federation, Washington, D.C.]

76-002895 Giles, Robert H., Jr.; Ritter, Arthur F. A PROPOSAL FOR A REGIONAL LAW ENFORCEMENT RESEARCH PROGRAM. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 740-745. 1975. WR 163
[Va. Polytech. Inst. & State Univ., Blacksburg 24061]

76-002896 Pass, Aaron AN OPINION ON THE POTENTIAL FOR APPLYING PUBLIC RELATIONS TO THE REGULATORY PROCESS. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 772-776. 1975. WR 163
[Ga. Dep. Nat. Resour., Atlanta 30334]

76-002897 Pyle, William L. UNIFORM COMPUTER RECORDS AND REPORTS. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 766-768. 1975. WR 163
[W. Va. Dep. Nat. Resour., Elkins]

WETLANDS & WILDLIFE

76-002898 Craib, C. L. NESTING HABITATS OF WATER BIRDS. Bokmakierie 26 (2): 32-35. Mar. 1974. WR 163

RANGELAND, TUNDRA & WILDLIFE

76-002899 Moss, Robert; Miller, G. R. PRODUCTION, DIEBACK AND GRAZING OF HEATHER (/CALLUNA VULGARIS/) IN RELATION TO NUMBERS OF RED GROUSE (/LAGOPUS L. SCOTICUS/) AND MOUNTAIN HARES (/LEPUS TIMIDUS/) IN NORTH-EAST SCOTLAND. J. Appl. Ecol. 13 (2): 369-377. Aug. 1976. WR 163
[Inst. Terrestrial Ecol., Banchory, Kincardineshire, Scotland]

FORESTS & WILDLIFE

76-002900 Konig, E. WILDSCHADENPROBLEME BEI DER WALDVERJUENGUNG. [THE PROBLEM OF WILDLIFE DAMAGE ON FOREST REGENERATION.] Schwiez. Z. Forstwes. 127 (1): 40-57. Jan. 1976. In German with French summ. WR 163

76-002901 Schemnitz, Sanford D. THE EFFECTS OF FOREST MANAGEMENT PRACTICES ON WILDLIFE IN EASTERN UNITED STATES. Proc. Int. Union For. Res. Organ. 16: 700-730. 1976. WR 163
[N. Mex. State Univ., Las Cruces 88003]

ENVIRONMENTAL IMPACTS & ASSESSMENTS

76-002902 Bull, A. L.; Mead, C. J.; Williamscn, Kenneth BIRD-LIFE ON A NORFOLK FARM IN RELATION TO AGRICULTURAL CHANGES. Bird Study 23 (3): 163-182. Sept. 1976. WR 163
[*Hillcrest', East Tuddenham, Dereham, Norfolk NR20 3JJ, England]

76-002903 Harris, Larry D.; White, L. D.; Johnston, J. E.; Milschunas, D. G. IMPACT OF FOREST PLANTATIONS ON NORTH FLORIDA WILDLIFE AND HABITAT. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 659-667. 1975. WR 163
[Univ. Fla., Gainesville 32611]

76-002904 Hooven, Edward F.; Black, Hugh C. EFFECTS OF SOME CLEARCUTTING PRACTICES ON SMALL-MAMMAL POPULATIONS IN WESTERN OREGON. Northwest Sci. 50 (4): 189-208. Nov. 1976. WR 163
[Oreg. State Univ., Corvallis 97331]

76-002905 Umber, Rex W.; Harris, Larry D. EFFECTS OF INTENSIVE FORESTRY ON SUCCESSION AND WILDLIFE IN FLORIDA SANDHILLS. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 686-693. 1975. WR 163
[Okla. Dep. Wildl. Conserv., Oklahoma City 73105]

MAMMALS--GENERAL

76-002906 Bouchard, Rodrigue; Gauthier, Clement GROS GIBIER AU QUEBEC EN 1975 (EXPLOITATION PAR LA CHASSE ET MORTALITE PAR DES CAUSES DIVERSES). [BIG GAME IN QUEBEC FOR 1975 (HARVEST AND MORTALITY FROM OTHER CAUSES).] Faune Quebec Repp. Spec. no. 69. v + 61p. Aug. 1976. In French. WR 163
/Alces alces/, /Odocoileus virginianus/, /Rangifer tarandus/, /Ursus americanus/, /Canis lupus/ and /C. latrans/.

76-002907 Courtney, P. A.; Fenton, M. B. THE EFFECTS OF A SMALL RURAL GARBAGE DUMP ON POPULATIONS OF /PEROMYSCUS LEUCOPUS/ RAFINESQUE AND OTHER SMALL MAMMALS. J. Appl. Ecol. 13 (2): 413-422. Aug. 1976. WR 163
[Carleton Univ., Ottawa, Ontario, Canada K1S 5B6]

76-002908 Derenne, Ph.; Mougin, J. L. DONNEES ECOLOGIQUES SUR LES MAMMIFERES INTRODUITS DE L'ILE AUX COCHONS, ARCHIPEL CROZET (40°06'S, 50°14'E). [ECOLOGICAL CONTRIBUTIONS UPON THE MAMMALS INTRODUCED TO HOG ISLAND, CROZET ARCHIPELAGO (40°06'S, 50°14'E).] Mammalia 40 (1): 21-53. 1976. In French with English summ. WR 163
Rabbit, mouse and cat.

76-002909 Gilbert, Frederick F. IMPACT ENERGY THRESHOLDS FOR ANESTHETIZED RACCOONS, MINK, MUSKRATS, AND BEAVERS. J. Wildl. Manage. 40 (4): 669-676. Oct. 1976. WR 163
[Univ. Guelph, Guelph, Ontario, Canada N1G 2W1] /Procyon lotor/, /Mustela vison/, /Ondatra zibethicus/ and /Castor canadensis/.

MAMMALS--TECHNIQUES

76-002910 Butler, Stuart R.; Rowe, Edward A. A DATA ACQUISITION AND RETRIEVAL SYSTEM FOR STUDIES OF ANIMAL SOCIAL BEHAVIOUR. Behaviour 57 (3-4): 281-287. 1976. In English with German summ. WR 163
[Med. School., Birmingham, England]

76-002911 Lensing, J. E.; Roux, T. F. A CAPTURE SNARE FOR THE SMALLER MAMMAL PREDATORS AND SCAVENGERS. Madoqua 9 (1): 57-61. 1975. WR 163
[Div. Nat. Conserv. & Tourism, South West Africa Admin., Windhoek, South West Africa] Abstract: A capture snare, designed and constructed for the capture of black-backed jackal [/Canis mesomelas/], and similar predators, is described. The snare has been used in various localities in the Transvaal and found to be more effective for civet cats [/Viverra civetta/ than for black-backed jackal.

76-002912 Miles, Michael A. A SIMPLE METHOD OF TRACKING MAMMALS AND LOCATING TRIATOMINE VECTORS OF /TRYPANOSOMA CRUZI/ IN AMAZONIAN FOREST. Am. J. Trop. Med. Hyg. 25 (5): 671-674. Sept. 1976. WR 163
[London School of Hygiene & Tropical Med., London WC1E 7HT, England] Abstract: A simple method of tracking mammals from capture points to their refuges was developed to study /Trypanosoma cruzi/ reservoir-vector associations in Belem forest. A device containing a spool of fine line was carried by released mammals so that the line unwound under minimum tension as the animal proceeded and could be followed the day after release. Twenty-three triatomine bugs of five species were found with 3 of 15 mammals retrieved.

76-002913 Sagara, Naohiko PRESENCE OF A BURIED MAMMALIAN CARCASS INDICATED BY FUNGAL FRUITING BODIES. Nature 262 (5571): 816. 26 Aug. 1976. WR 163
[Kyoto Univ., Kyoto 606, Japan] "/Hebeloma vinosophyllum/ Hongo is a terrestrial agaric originally found in broad-leaved and conifer forests but not descsribed as having any special ecological requirements. It now seems that this species often fruits where a dead mammal has been buried."

76-002914 Spiess, Arthur DETERMINING SEASON OF DEATH OF ARCHAEOLOGICAL FAUNE BY ANALYSIS OF TEETH. Arctic 29 (1): 53-55. Mar. 1976. WR 163
[Harvard Univ., Cambridge, Mass. 02138]

MAMMALS--FAUNAS, COMMUNITIES, MANUALS

76-002915 Ariagno, Daniel ESSAI DE SYNTHESE SUR LES MAMMIFERES SAUVAGES DE LA REGION RHONE-ALPES. [REVIEW OF THE WILD MAMMALS OF THE RHONE-ALPES REGION.] Mammalia 40 (1): 125-160. 1976. In French with English summ. WR 163
[15 Residence de la Voie Romaine, 69290 Craponne, France] Annotated list of 84 spp.

76-002916 Genoways, Hugh H.; Choate, Jerry R.; Pembleton, Edward F.; Greenbaum, Ira F.; Bickham, John W. SYSTEMATISTS, OTHER USERS, AND USES OF NORTH AMERICAN COLLECTIONS OF RECENT MAMMALS. Museology no. 3. 87p. 13 nov. 1976. Available at $3.00 from the Museum Shop, Texas Tech University, Lubbock 79409. WR 163
[Tex. Tech Univ., Lubbock 79409] "This report is divided into three principal sections. The first details the systematists who study Recent mammals and includes their areas of systematic and geographic specialty. The second section lists the disciplines and individuals that use systematic collections of mammals. The last part of this report discusses the types and amounts of use that collections receive. Appendix 1 contains a list of systematists who work on Recent mammals, and relates their systematic and geographic specialty. Appendix 2 is a cross index of systematists by their systematic and geographic specialties. A total of 154 systematists living in North America was identified as working on Recent mammals."

76-002917 Hedlund, J. D.; Rickard, W. H. SMALL MAMMAL POPULATIONS NEARTHE TROJAN NUCLEAR POWER STATION, OREGON. Northwest Sci. 50 (3): 172-177. Aug. 1976. WR 163
[Battelle Memorial Inst., Richland, Wash. 99352]

76-002918 Jones, J. Knox, Jr.; Homan, Jacqueline A. CONTRIBUTION TO A BIBLIOGRAPHY OF RECENT TEXAS MAMMALS, 1961-1970. Occas. Pap. Mus. Tex. Tech Univ. no. 41. 21p. 3 Sept. 1976. WR 163
[Tex. Tech Univ., Lubbock 79409] List organized into 12 sections.

76-002919 Joubert, E.; Mostert, P. K. N. DISTRIBUTION PATTERNS AND STATUS OF SOME MAMMALS IN SOUTH WEST AFRICA. Madoqua 9 (1): 5-44. 1975. WR 163
[Div. Nat. Conserv. & Tourism, South West Africa Admin., Windhoek, South West Africa]

76-002920 Mitchell, Richard M.; Derksen, Dirk V. ADDITIONAL NEW MAMMAL RECORDS FROM NEPAL. Mammalia 40 (1): 55-61. 1976. In English with French summ. WR 163
[Minist. Nat. Resour., Queen's Park Crescent, Toronto, Ontario, Canada] Summary: Nine species of mammals belonging to four orders were collected and observed in Nepal for the first time. A brief description of each species along with its general biology and ecology is provided.

76-002921 Schmidt, Egon KLEINSAUGERFAUNISTISCHE DATEN AUS EULENGEWOELLEN IN UGARN. [SMALL MAMMAL FAUNISTIC DATA FROM OWL PELLETS IN HUNGARY.] Aquila 82: 119-144. 1976. In German with Hungarian summ. WR 163
[Madartani, Intezet, Kolto u. 21, 1121 Budapest, Hungary] Rodentia and Insectivora.

76-002922 Sheppe, Walter; Haas, Peter LARGE MAMMAL POPULATIONS OF THE LOWER CHOBE RIVER, BOTSWANA. Mammalia 40 (2): 223-243. 1976. In English with French summ. WR 163
[Univ. Akron, Akron, Ohio] Summary: Two species of primates, four carnivores, and 16 ungulates were observed along a census route near the lower Chobe River. Counts were made at approximately weekly intervals from July 1971 to June 1972. Both number of species and number of individuals were greatest in October, late in the dry season. Numbers declined with the beginning of the rains in November as migratory species left the area and resident species changed their behavior patterns or were hidden by new growth of vegetation. Five species seem to have declined since an earlier study by Child and von Richter. One species may have become more abundant.

76-002923 Smithers, Reay H. N.; Lobao Tello, Jose L. P. CHECK LIST AND ATLAS OF THE MAMMALS OF MOCAMBIQUE. Natl. Mus. & Monuments of Rhodesia Mus. Mem. no. 8. viii + 184p. 1976. Available at R$6-00 from National Museusm & Monuments Administration, P.O. Box 8540, Causeway, Rhodesia. WR 163
Annotated list of 201 spp.

MAMMALS--MORPHOLOGY & PHYSIOLOGY

76-002924 Edwards, N. A. SCALING OF RENAL FUNCTIONS IN MAMMALS. Comp. Biochem. Physiol. A Comp. Physiol. 52 (1): 63-66. 1 Sept. 1975. WR 163
[Univ. Reading, Reading RG6 2AJ, England] A comparative study of several mammalia phylla.

76-002925 Hay, A. W. M.; Watson, G. THE PLASMA TRANSPORT PROTEINS OF 25-HYDROXYCHOLECALCIFEROL IN MAMMALS. Comp. Biochem. Physiol. B Comp. Biochem. 53 (2): 163-166. 1976. WR 163
[Nuffield Inst. Comp. Med., Regent's Park, London NW1, England] The transport proteins of 25-hydroxycholecalciferol were studied in 72 species from 14 mammalian orders.--From abstr.

76-002926 Legait, H.; Bauchot, R.; Stephan, H.; Contet-Audonneau, J.-L. ETUDE DES CORRELATIONS LIANT LE VOLUME DE L'EPIPHYSE AUX POIDS SOMATIQUE ET ENCEPHALIQUE CHEZ LES RONGEURS, LES INSECTIVORES, LES CHIROPTERES, LES PROSIMIENS ET LES SIMIENS. [STUDY OF THE VARIABLE CORRELATIONS OF THE VOLUME OF THE PINEAL GLAND WITH THE BODY WEIGHT AND BRAIN WEIGHT OF RODENTS, INSECTIVORES, BATS, SIMIANS AND MAN.] Mammalia 40 (2): 327-337. 1976. In French with German and English summ. WR 163
[Lab. Histol., Nancy, France]

76-002927 Schmid, William D. TEMPERATURE GRADIENTS IN THE NASAL PASSAGE OF SOME SMALL MAMMALS. Comp. Biochem. Physiol. A Comp. Physiol. 54 (3): 305-308. 1976. WR 163
[Univ. Minn., Minneapolis 55455] Measurements of temperatures were made along a median, dorsal portion of the nasal passage of 18 species of mammals collected from relatively mesic habitats.--From abstr.

MAMMALS--BEHAVIOR

76-002928 Crook, J. H.; Ellis, J. E.; Goss-Custard, J. D. MAMMALIAN SOCIAL SYSTEMS: STRUCTURE AND FUNCTION. Anim. Behav. 24 (2): 261-274. May 1976. WR 163
[Univ. Bristol, 8-10 Berkeley Square, Bristol, England] Abstract: Mammalian societies are complex socio-ecological systems controlled by the interactions of numberous internal constraints and external factors. We present a simple model describing these systems functionally in terms of the adaptive behavioural strategies for resource exploitation, predation avoidance and mating and rearing of young to maturity shown by the individuals that comprise them. The relations between species-specific limitations on the range of potential individual social behaviour and the environmental variables to which the system is responsive are analysed and hypotheses from correlational and analytical field studies examined. We advocate the continued development of sophisticated systems-analytical approaches to societal analysis taking into account the contrasting informational provenance of factors of different types. This is preferred to either an over-emphasis on environmental determination or excessively formalised neo-darwinian modelling based on assumptions from genetics and selection theory alone.

76-002929 Eaton, Randall L. SUPPORT OF THE HYPOTHESIS THAT AARDWOLVES MIMIC HYENAS. Mammalia 40 (2): 342-343. 1976. In English WR 163
[Univ. Wash., Seattle 98195] /Proteles/ sp. and /Hyaena brunnea/.

76-002930 Hill, Andrew; Wyatt, John NON-AGGRESSIVE TACTILE INTERACTIONS OF /HIPPOPOTAMUS AMPHIBIUS/ LINN. WITH /SYNCERUS CAFFER/ (SPARRMAN). Mammalia 40 (1): 160-162. 1976. In English. WR 163
[Natl. Mus. Kenya, Box 40658, Nairobi, Kenya]

MAMMALS--PESTICIDES & POLLUTION

76-002931 Agudo Valero, Jose L.; Barasona Mata, J.; Alcaide Megias, A.; Serrano Caballero, J. M.; Santiago Laguna, D.; Infante Miranda, F. RESIDUOS DE INSECTICIDAS ORGANOCLORADOS EN CIERVOS (/CERVUS ELAPHUS/) Y JABALIES (/SUS SCROFA BAETICUS/) CAPTURADOS EN LA SIERRA DE CORDOBA. [RESIDUES OF ORGANOCHLORADIC INSECTICIDES IN DEER (/CERVUS ELAPHUS/) AND WILD BOAR (/SUS SCROFA BAETICUS/) CAPTURED IN THE SIERRA OF CORDOBA.] Arch. Zootecnia 24 (95-96): 273-282. July-Dec. 1975. In Spanish with English summ. WR 163

76-002932 Arthur, R. D.; Cain, J. D.; Barrentine, B. F. THE EFFECT OF ATMOSPHERIC LEVELS OF PESTICIDES ON PESTICIDE RESIDUES IN RABBIT ADIPOSE TISSUE AND BLOOD SERA. Bull. Environ. Contam. Toxicol. 14 (6): 760-764. Dec. 1975. WR 163
[Miss. State Univ., Mississippi State 39762]

76-002933 Chernoff, N.; Carver, B. D. FETAL TOXICITY OF TOXAPHENE IN RATS AND MICE. Bull. Environ. Contam. Toxicol. 15 (6): 660-664. June 1976. WR 163
[EPA, Environ. Res. Cent., Research Tirangle Park, N.C. 27711]

76-002934 Clark, Donald R., Jr.; Lamont, Thair G. ORGANOCHLORINE RESIDUES IN FEMALES AND NURSING YOUNG OF THE BIG BROWN BAT (/EPTESICUS FUSCUS/). Bull. Environ. Contam. Toxicol. 15 (1): 1-8. Jan. 1976. WR 163
[Patuxent Wildl. Res. Cent., Laurel, Md 20811]

76-002935 Cumbie, Peter M.; Jenkins, James H. MERCURY ACCUMULATION IN NATIVE MAMMALS OF THE SOUTHEAST. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 639-648. 1975. WR 163
[Duke Power Co., Charlotte, N. C. 28242] Mercury levels in tissues of mammals collected in Georgia, Florida, and South Carolina were compared using hair mercury concentration as an index of total mercury content. Bobcats (/Lynx rufus/), raccoons (/Procyon lotor/), opossum (/Didelphis marsupialis/) and gray fox (/Urocyon cinereoargenteus/) from the Lower Coastal Plain of Georgia had higher mercury levels than specimens from the Upper Coastal Plain of Piedmont.--From abstr.

76-002936 Geluso, Kenneth N.; Altenbach, J. Scott; Wilson, Don E. BAT MORTALITY: PESTICIDE POISONING AND MIGRATORY STRESS. Science 194 (4261): 184-186. 8 Oct. 1976. WR 163
[Univ. N. Mex., Albuquerque 87131] Abstract: Organochlorine residues in the fat of young Mexican free-tailed bats, /Tadarida brasiliensis/, reached the brain and caused symptoms of poisoning after the fat mobilization that takes place during migratory flight was simulated. These chemical body burdens were obtained naturally under free-living conditions at the maternity roost. The data obtained support the hypothesis that pesticides have contributed to recent declines in populations of this bat.

76-002937 Gupta, P. K. ENDOSULFAN-INDUCED NEUROTOXICITY IN RATS AND MICE. Bull. Environ. Contam. Toxicol. 15 (6): 708-713. June 1976. WR 163
[Industrial Toxicol. Res. Cent., Post Box 80, Lucknow, India]

76-002938 Gupta, P. K.; Chandra, Satya V. THE TOXICITY OF ENDOSULFAN IN RABBITS. Bull. Environ. Contam. Toxicol. 14 (5): 513-519. Nov. 1975. WR 163
[Industrial Toxicol. Res. Cent., Lucknow, India]

76-002939 Helle, E.; Olsson, M.; Jensen, S. DDT AND PCB LEVELS AND REPRODUCTION IN RINGED SEAL FROM THE BOTHNIAN BAY. Ambio 5 (4): 188-189. 1976. WR 163
[Univ. Oulu, SF-90 100 Oulu, Finland] /Pusa hispida/ in Finland.

76-002940 Jefferies, D. J.; French, M. C. MERCURY, CADMIUM, ZINC, COPPER AND ORGANOCHLORINE INSECTICIDE LEVELS IN SMALL MAMMALS TRAPPED IN A WHEAT FIELD. Environ. Pollut. 10 (3): 175-182. Apr. 1976. WR 163
[Monks Wood Exp. Stn., Abbots Ripton, Huntingdon, England]
Abstract: Specimens of /Apodemus sylvaticus/ trapped in a wheat field two months after it had been drilled with wheat dressed with dieldrin and mercury still showed considerable residues of dieldrin (0.74 ± 0.45 w/w ppm in whole body; maximum 2.84 w/w ppm) although these were much lower than those published for the immediate post-drilling period (10.18 ± 1.19 w/w ppm; max.: 22.30 w/w ppm). Mercury concentrations, on the other hand, were much higher (0.83 ± 0.44 w/w ppm in whole body; max.: 2.93 w/w ppm) than those previously found immediately after drilling (0.39 ± 0.04 w/w ppm; max.: 0.75 w/w ppm). Small amounts of cadmium (0.10 ± 0.01 w/w ppm in whole body) were also found in the seven mammals tested.

76-002941 Koss, G.; Manz, D. RESIDUES OF HEXACHLOROBENZENE IN WILD MAMMALS OF GERMANY. Bull. Environ. Contam. Toxicol. 15 (2): 189-191. Feb. 1976. WR 163
[Univ. Marburg, Marburg, West Germany] /Vulpes vulpes/, /Sus scrofa/ and /Capreoulus capreolus/.

76-002942 Krause, Walter; Hamm, Kurt; Weissmuller, Josef THE EFFECT OF DDT ON SPERMATOGENESIS OF THE JUVENILE RAT. Bull. Environ. Contam. Toxicol. 14 (2): 171-179. Aug. 1975. WR 163
[Justus Liebig-Univ., 63 Giessen, West Germany]

76-002943 Liedtke, M. Anne; Gier, H. T.; Meloan, C. E. EFFECTS OF DIETARY DDT ON BLOOD PLASMA LEVELS OF CALCIUM AND MAGNESIUM IN LABORATORY RATS. Bull. Environ. Contam. Toxicol. 16 (4): 379-382. Oct. 1976. WR 163
[Kans. State Univ., Manhattan] /Rattus norvegicus/.

76-002944 McKinnon, J. Glynn; Hoff, Gerald L.; Bigler, William J.; Prather, E. Charlton HEAVY METAL CONCENTRATIONS IN KIDNEYS OF URBAN GRAY SQUIRRELS. J. Wildl. Dis. 12 (3): 367-371. July 1976. WR 163
[Fla. Dep. Health & Rehabilitative Serv., P.C. Box 210, Jacksonville 32201] /Sciurus carolinensis/ in Florida.

76-002945 Merson, M. H.; Kirkpatrick, R. L.; Warren, R. J. PLASMA ANDROGEN LEVELS AND RELATED CHARACTERISTICS OF WHITE-FOOTED MICE FED A PCB. Va. J. Sci. 27 (2): 47. 1976. WR 163
[Va. Polytech. Inst. & State Univ., Blacksburg 24061] /Peromyscus leucopus/. Abstract only.

76-002946 Merson, M. H.; Kirkpatrick, R. L. REPRODUCTIVE PERFORMANCE OF CAPTIVE WHITE-FOOTED MICE FED A PCB. Bull. Environ. Contam. Toxicol. 16 (4): 392-396. Oct. 1976. WR 163
[Va. Polytech. Inst. & State Univ., Blacksburg 24061] /Peromycus leucopus/.

76-002947 Mierau, Gary W.; Favara, Blaise E. LEAD POISONING IN ROADSIDE POPULATIONS OF DEER MICE. Environ. Pollut. 8 (1): 55-64. Jan. 1975. WR 163
[Children's Hospital, Denver, Colo. 80218] /Peromyscus maniculatus/ in Colorado.

76-002948 Reidinger, Russell F., Jr. ORGANOCHLORINE RESIDUES IN ADULTS OF SIX SOUTHWESTERN BAT SPECIES. J. Wildl. Manage. 40 (4): 677-680. Oct. 1976. WR 163
[Rodent Res. Cent., USAID/Manila, APO San Francisco 96528]

76-002949 Saxena, S. C.; Karel, A. K. ON EFFECT OF CHLORDANE ON THE BLOOD GLUCOSE AND OF GLUCOSE ADMINISTRATION ON THE ACUTE CHLORDANE TOXICITY IN /MERIONES HURRIANAE/ JERDON, THE INDIAN DESERT GERBIL. Bull. Environ. Contam. Toxicol. 15 (5): 593-600. May 1976. WR 163
[Univ. Rajasthan, Jaipur, India]

76-002950 Wallace, Margaret E.; Knights, P. PILOT STUDY OF THE MUTAGENICITY OF DDT IN MICE. Environ. Pollut. 11 (3): 217-222. Nov. 1976. WR 163
[Milton Rd., Cambridge CB4 1XH, England] /Mus musculus/.

76-002951 Warren, R. J.; Kirkpatrick, R. L. REPRODUCTION IN FEMALE COTTONTAIL RABBITS AS INFLUENCED BY MIREX INGESTION AND NUTRITIONAL RESTRICTION. Va. J. Sci. 27 (2): 51. 1976. WR 163
[Va. Polytech. Inst. & State Univ., Blacksburg 24061] /Sylvilagus floridanus/. Abstract only.

76-002952 Warren, Robert J.; Kirkpatrick, Roy L. INFLUENCE OF MIREX INGESTION ON COTTONTAIL EYE LENS WEIGHTS. J. Wildl. Manage. 40 (4): 797-799. Oct. 1976. WR 163
[Va. Polytech. Inst. & State Univ., Blacksburg 24061] /Sylvilagus floridanus/.

76-002953 Wobeser, G. MERCURY POISONING IN A WILD MINK. J. Wildl. Dis. 12 (3): 335-340. July 1976. WR 163
[Univ. Saskatchewan, Saskatoon, Saskatchewan S7N 0W0, Canada] /Mustela vison/ in Canada.

MAMMALS--PARASITES & DISEASES

76-002954 Bowen, G. Stephen EXPERIMENTAL INFECTION OF NORTH AMERICAN MAMMALS WITH EPIDEMIC VENEZUELAN ENCEPHALITIS VIRUS. Am. J. Trop. Med. Hyg. 25 (6): 891-899. Nov. 1976. WR 163
[Cent. Disease Control, Fort Collins, Colo. 80521] Eighty-three wild mammals of ten species were inoculated with a first mouse passage level Venezuelan encephalitis (VE) virus isolated from south Texas in 1971 during the VE outbreak. A consideration of results obtained during this study and those of other investigators led to the conclusion that equines were of major importance, that canines, lagomorphs and rodents were of minor importance, and that other species tested were of no importance as virus amplifiers in VE epizootics.--From abstr.

76-002955 Fuller, H. G.; Kneitz, G.; Buttner, K. BEDEUTUNG UND AUFTRETEN DER TOLLWUT AM BEISPIEL DES GEGENWAERTIGEN SEUCHENZUGES IN UNTERFRANKEN. [IMPORTANCE AND OCCURRENCE OF RABIES AS EXEMPLIFIED BY RECENT EPIDEMICS.] Waldhygiene 11 (3/4): 101-116. 1975. In German. WR 163
[Univ. Wurzburg, D-87 Wurzburg, West Germany] Summarization of rabies investigations during 1954-1972 of wild and domestic mammals.

76-002956 Horning, B. DIE ROLLE DES PARASITENBEFALLS IN DEN WILDBESTAENDEN. [THE ROLE OF PARASITOSIS UPON WILDLIFE POPULATIONS.] Schweiz. Z. Forstwes. 126 (5): 361-372. May 1975. In German with French summ. WR 163
[Univ. Bern, Bern, Switzerland]

76-002957 Jacobson, H. A.; Scanlon, P. f.; Nettles, V. F.; Davidson, W. R. EPIZOOTIOLOGY OF AN OUTBREAK OF CEREBROSPINAL NEMATODIASIS IN COTTONTAIL RABBITS AND WOODCHUCKS. J. Wildl. Dis. 12 (3): 357-360. July 1976. WR 163
[Va. Polytech. Inst. & State Univ., Blacksburg 24061] /Sylvilagus floridanus/, /Marmota monax/ and /Procyon lotor/ in Virginia.

76-002958 McLean, D. M.; Bergman, S. K. A.; Gould, A. P.; Grass, P. N.; Miller, M. A.; Spratt, E. E. CALIFORNIA ENCEPHALITIS VIRUS PREVALENCE THROUGHOUT THE YUKON TERRITORY, 1971-1974. Am. J. Trop. Med. Hyg. 24 (4): 676-684. July 1975. WR 163
[Univ. British Columbia, Vancouver, British Columbia V6T 1W5, Canada] Neutralizing antibodies to CE virus were detected in 705 of 4,913 (14 percent) mammals collected during summers 1971 through 1974, including 430 of 1,076 (40 percent) snowshoe hares (/Lepus americanus/), 266 of 3,610 (7 percent) ground squirrels (/Citellus undulatus/) and 9 of 227 (4 percent) red squirrels (/Tamiasciurus hudsonicus/).--From abstr.

76-002959 Pinger, Robert R.; Rowley, Wayne A.; Wong, Yau W.; Dorsey, Donald C. TRIVITTATUS VIRUS INFECTIONS IN WILD MAMMALS AND SENTINEL RABBITS IN CENTRAL IOWA. Am. J. Trop. Med. Hyg. 24 (6): 1006-1009. Nov. 1975. WR 163
[Rowley: Iowa State Univ., Ames 50010] /Sylvilagus floridanus/, /Sciurus niger/, /Didelphis marsupialis/ and /Procyon lotor/.

76-002960 Sebek, Z.; Kaaserer, G.; Sixl, W.; Wallner, H.; Valova, M. LEPTOSPIRAL ANTIBODIES IN WILD LIVING ANIMALS FROM NORTH TYROL. Folia Parasitol. (Prague) 23 (1): 25-31. 1976. In English with Russian summ. WR 163
[Natl. Reference Lab. for Leptospirae, Jihlara, Czechoslovakia] Positive reactions were obtained with the sera of /Sorex araneus/, /Erinaceus europaeus/, /Putorius putorius/, /Vulpes vulpes/, /Cervus elaphus/, /Capreolus capreolus/, /Rupicapra rupicapra/, /Apodemus/ sp., /Clethrionomys glareolus/.--From abstr.

76-002961 Smith, A. W.; Akers, T. G.; Prato, C. M.; Bray, H. PREVALENCE AND DISTRIBUTION OF FOUR SEROTYPES OF SMSV SERUM NEUTRALIZING ANTIBODIES IN WILD ANIMAL POPULATIONS. J. Wildl. Dis. 12 (3): 326-334. July 1976. WR 163
[Univ. Calif., Berkeley 94720] Serum neutralizing antibodies to four serotypes of San Miguel Sea Lion Virus (SMSV) were demonstrated in a variety of marine and terrestrial species.--From abstr.

76-002962 Tizard, I. R.; Billett, J. B.; Ramsden, R. O. THE PREVALENCE OF ANTIBODIES AGAINST /TOXOPLASMA GONDII/ IN SOME ONTARIO MAMMALS. J. Wildl. Dis. 12 (3): 322-325. July 1976. WR 163
[Univ. Guelph, Guelph, Ontario, Canada] The percentage of positive samples diminished through, coyote, mink, bear, fisher, skunk, raccoon, marten and rabbit. Blood samples from squirrel, deer, hare and groundhog were negative.--From abstr.

76-002963 Twigg, G. I.; Cox, P. J. THE DISTRIBUTION OF LEPTOSPIRES IN THE KIDNEY TUBULES OF SOME BRITISH WILD MAMMALS. J. Wildl. Dis. 12 (3): 318-321. July 1976. WR 163
[Royal Holloway Coll., Egham, Surrey, England] Histological examination of 69 pairs of infected kidneys from 12 speices of Rodentia, Lagomorpha, Carnivora and Insectivora revealed that leptospires were confined mainly to the proximal and distal convoluted tubule, were less often found in the thick loop of Henle and only rarely in the collecting duct.--From abstr.

MAMMALS--ECONOMICS, DAMAGE, PREDATION, CONTROL

76-002964 Bjarvall, Anders; Nilsson, Edvin SURPLUS-KILLING OF REINDEER BY WOLVES. J. Mammal. 57 (3): 585. Aug. 1976. WR 163
[Natl. Environ. Protection Board, Pack, S-171 20 Solna, Sweden] /Canis lupus/ and /Rangifer tarandus/ in Sweden.

76-002965 Heyland, J. D.; Hay, Keith AN ATTACK BY A POLAR BEAR ON A JUVENILE BELUGA. Arctic 29 (1): 56-57. Mar. 1976. WR 163
[Quebec Dep. Tourism, Game & Fish, Orsainville, Quebec, Canada] /Ursus maritimus/ and /Delphinapterus leucas/.

76-002966 Smith, Thomas G. PREDATION OF RINGED SEAL PUPS (/PHOCA HISPIDA/) BY THE ARCTIC FOX (/ALOPEX LAGOPUS/). Can. J. Zool. 54 (10): 1610-1616. Oct. 1976. In English with French summ. WR 163
[Arctic Biol. Stn., P.O. Box 400, Ste. Anne de Bellevue, Quebec, Canada]

MARSUPIALS

76-002967 Agar, N. S.; Stephens, Tanya REDUCED GLUTATHIONE--A COMPARATIVE STUDY OF ERYTHROCYTES FROM VARIOUS SPECIES OF MARSUPIALS IN AUSTRALIA. Comp. Biochem. Physiol. A Comp. Physiol. 52 (4): 605-606. 1 Dec. 1975. WR 163
[Royal Alexandra Hospital for Children, Sydney, Australia]
Abstract: 1. Concentrations of reduced glutathione were measured in the erythrocytes of several species of marsupials, and the levels found to be significantly higher in kangaroos, wallaroos, wallabies and koalas than in possums and bandicoots.

76-002968 Cheal, Peter D.; Lee, Anthony K.; Barnett, John L. CHANGES IN THE HAEMATOLOGY OF /ANTECHINUS STUARTII/ (MARSUPIALIA), AND THEIR ASSOCIATION WITH MALE MORTALITY. Aust. J. Zool. 24 (3): 299-311. Aug. 1976. WR 163
[Monash Univ., Clayton, Victoria 3168, Australia]

76-002969 Harrop, C. J. F.; Degabriele, Robert DIGESTION AND NITROGEN METABOLISM IN THE KOALA, /PHASCOLARCTOS CINEREUS/. Aust. J. Zool. 24 (2): 201-215. June 1976. WR 163
[Univ. New South Wales, P.O. Box 1, Kensington, New South Wales 2033, Australia

76-002970 How, R. A. REPRODUCTION, GROWTH AND SURVIVAL OF YOUNG IN THE MOUNTAIN POSSUM, /TRICHOSURUS CANINUS/ (MARSUPIALIA). Aust. J. Zool. 24 (2): 189-199. June 1976. WR 163
[La Trobe Univ., Bundoora, Victoria 3083, Australia]

76-002971 Hutson, Geoffrey D. GROOMING BEHAVIOR AND BIRTH IN THE DASYURID MARSUPIAL /DASYUROIDES BYRNEI/. Aust. J. Zool. 24 (2): 277-282. June 1976. WR 163
[Univ. Melbourne, Parkville, Victoria 3052, Australia]

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BIRDS--MIGRATION & BANDING REPORTS

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[Max-Planck-Inst. Verhaltensphysiol., Vogelwarte Radolfzell, Schloss Moggingen, West Germany] /Sylvia borin/.

76-003448 Blomqvist, Sven; Lindholm, Claes-Goran FAGELSTRACKET GENOM KALMARSUND 1968-1971. [THE VISIBLE MIGRATION THROUGH KALMAR SOUND DURING 1968 TO 1971.] Var Fagelvarld 35 (1): 36-42. 1976. In Swedish with English summ. WR 163
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[Box 164, Ship Bottom, N.J. 08008] Recoveries for the period 1956-1972 are summarized.

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[P.O. Box 8105, Causeway, Salisbury, Rhodesia]

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[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401]

76-003454 Osieck, Eduard R. DE TREK VAN GOUDHAANTJES /REGULUS REGULUS/ EN TAIGABOOMKRUIPERS /CERTHIA FAMILIARIS/ IN 1972. [THE MIGRATION OF GOLDCRESTS /REGULUS REGULUS/ AND TREECREEPERS /CERTHIA FAMILIARIS/ IN 1972.] Limosa 49 (1-2): 76-99. 1976. In Dutch with English summ. WR 163
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[Vasterlanggatan 8, S-380 62 Marbylanga, Sweden]

76-003458 Szczepski, Jan Boguslaw SPRAWOZDANIE Z DZIALALNOSCI STACJI ORNITOLOGICZNEJ W GORKACH WSCHODNICH ZA LATA 1958-1962. [REPORT OF THE ORNITHOLOGICAL STATION IN GORKI WSCHODNIE FOR 1958-1962.] Acta Ornithol. 15 (4): 145-276. 31 Jan. 1976. In Polish with Russian and English summ. WR 163
[Inst. Zool. PAN, Gorki Wschodnie 83-010 Sobieszewo, Woj. Gdansk, Poland]

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[Cornell Lab. Ornithol., 159 Sapsucker Woods Rd., Ithaca, N.Y. 14850]

76-003460 White, C. M. N. MIGRATION OF PALAEARCTIC NON-PASSERINE BIRDS IN WALLACEA. Emu 76 (2): 79-82. Apr. 1976. WR 163
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76-003461 Wiltschko, Wolfgang; Wiltschko, Roswitha INTERRELATION OF MAGNETIC COMPASS AND STAR ORIENTATION IN NIGHT-MIGRATING BIRDS. J. Comp. Physiol. A Sens. Neural Behav. Physiol. 109 (1): 91-99. 1976. WR 163
[Univ. Frankfurt, D-6000 Frankfurt, West Germany] /Erithacus rubecula/.

BIRDS--MORTALITY & SURVIVAL

76-003462 Harwin, R. M. MORE ABOUT LONGEVITY. Honeyguide no. 85. 30-31. Feb. 1976. WR 163
[P.O. Box 8105, Causeway, Salisbury, Rhodesia] Tabulations of bird longevity records.

76-003463 Krapu, Gary L. AVIAN MORTALITY FROM COLLISIONS WITH OVERHEAD WIRES IN NORTH DAKOTA. Prairie Nat. 6 (1): 1-6. Mar. 1974. WR 163
[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401]

BIRDS--PESTICIDES & POLLUTION

76-003464 Adams, Lowell W. RADIOACTIVITY LEVELS IN OHIO'S RESIDENT CANADA GOOSE (/BRANTA CANADENSIS/) POPULATIONS. Ohio J. Sci. 76 (5): 211-213. Sept. 1976. WR 163
[Urban Wildl. Res. Cent., Inc., 12789 Folly Quarter Rd., Ellicott City, Md. 21043] Abstract: Gross beta and ^{137}Cs radioactivity levels were determined for pectoralis muscle of resident Canada geese (/Branta canadensis/) in 3 wildlife areas in Ohio. The mean ^{137}Cs level was 0.9 dpm/g dry wt muscle (0.4 pCi/g), and the mean gross beta level was 20.4 dpm/g dry wt muscle (9.2 pCi/g). No differences in goose muscle radioactivity levels were observed among the 3 wildlife areas. Bird age apparently did not affect radioactivity level. Variance components between and within birds were computed and a sampling design, to optimize allocation of resources for furture sampling schemes, was determined.

76-003465 Adams, William J.; Prince, Harold H. MERCURY LEVELS IN THE TISSUES OF RING-NECKED PHEASANTS FED TWO MERCURIAL FUNGICIDES. Bull. Environ. Contam. Toxicol. 15 (3): 316-323. Mar. 1976. WR 163
[Mich. State Univ., East Lansing 48824] /Phasianus colchicus/.

76-003466 Anderson, Daniel W.; Hickey, Joseph J. DYNAMICS OF STORAGE OF ORGANOCHLORINE POLLUTANTS IN HERRING GULLS. Environ. Pollut. 10 (3): 183-200. Apr. 1976. WR 163
[Univ. Calif., Davis 95616] /Larus argentatus/ from Lake Michigan.

76-003467 Bean, Jerry R.; Hudson, Rick H. ACUTE ORAL TOXICITY AND TISSUE RESIDUES OF THALLIUM SULFATE IN GOLDEN EAGLES, /AQUILA CHRYSAETOS/. Bull. Environ. Contam. Toxicol. 15 (1): 118-121. Jan. 1976. WR 163
[Denver Wildl. Res. Cent., Denver, Colo. 80225]

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[Mich. State Univ., East Lansing 48824]

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[Univ. Canterbury, Christchurch, New Zealand]

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[Idaho Dep. Health & Welfare, Statehouse, Boise 83720] /Pelicanus erythrorhynchos/.

76-003471 Benson, W. W.; Brock, Darrell W.; Gabica, Joe; Loomis, Maurice SWAN MORTALITY DUE TO CERTAIN HEAVY METALS IN THE MISSION LAKE AREA, IDAHO. Bull. Environ. Contam. Toxicol. 15 (2): 171-180. Feb. 1976. WR 163
[Idaho Dep. Health & Welfare, Statehouse, Boise 83720] /Olor columbianus/.

76-003472 Buech, Richard R. AVIAN NESTING SUCCESS UNDER GAMMA RADIATION EXPOSURE. Auk 93 (3): 627-629. July 1976. WR 163
[North Central Forest Exp. Stn., Folwell Ave., St. Paul, Minn. 55108] Data for 6 spp. of nesting birds.

76-003473 Call, D. J.; Shave, H. J.; Binger, H. C.; Bergdeland, M. E.; Ammann, B. D.; Worman, J. J. DDE POISONING IN WILD GREAT BLUE HERON. Bull. Environ. Contam. Toxicol. 16 (3): 310-313. Sept. 1976. WR 163
[S. Dak. State Univ., Brookings 57006] /Ardea herodias/ in South Dakota.

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[Agric. Canada Res. Stn., Lethbridge, Alberta, Canada T1J 4B1] /Mareca americana/, /Anas strepera/, /A. acucta/, /A. discors/, /A. platyrhynchos/, /Aythya affinis/ and /Spatula clypeata/.

76-003475 Clark, Donald R., Jr. EFFECT OF STRESS ON DIELDRIN TOXICITY TO MALE REDWINGED BLACKBIRDS (/AGELAIUS PHOENICEUS/). Bull. Environ. Contam. Toxicol. 14 (2): 250-256. Aug. 1975. WR 163
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811]

76-003476 Collier, J. L.; Hurley, S. S.; Welborn, M. E.; Hansen, L. G. COMPARATIVE RESIDUES OF PCB COMPONENTS IN THE BALD EAGLE AND WHITE LEGHORNS. Bull. Environ. Contam. Toxicol. 16 (2): 182-189. Aug. 1976. WR 163
[Univ. Ill., Urbana 61801] /Haliaeetus leucocephalus/.

76-003477 Damron, B. L.; Wilson, H. R. LEAD TOXICITY OF BOBWHITE QUAIL. Bull. Environ. Contam. Toxicol. 14 (4): 489-496. Oct. 1975. WR 163
[Fla. Agric. Exp. Stn., Gainesville 32611] /Colinus virginianus/.

76-003478 Davison, K. L.; Engerbretson, K. A.; Cox, J. H. P,P'-DDT AND P,P'-DDE EFFECTS ON EGG PRODUCTION, EGGSHELL THICKNESS, AND REPRODUCTION OF JAPANESE QUAIL. Bull. Environ. Contam. Toxicol. 15 (3): 265-270. Mar. 1976. WR 163
[Metabolism & Radiation Res. Lab., Fargo, N. Dak. 58102] /Coturnix cotrunix japonica/.

76-003479 Finley, Mack T.; Dieter, Michael P.; Lock, Louis N. DELTA-AMINOLEVULINIC ACID DEHYDRATASE: INHIBITION IN DUCKS DOSED WITH LEAD SHOT. Environ. Res. 12 (2): 243-249. Oct. 1976. WR 163
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] /Anas platyrhynchos/.

76-003480 Finley, Mack T.; Dieter, Michael P.; Locke, Louis N. LEAD IN TISSUES OF MALLARD DUCKS DOSED WITH TWO TWO TYPES OF LEAD SHOT. Bull. Environ. Contam. Toxicol. 16 (3): 261-269. Sept. 1976. WR 163
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] /Anas platyrhynchos/.

76-003481 Fox, Glen A. EGGSHELL QUALITY: ITS ECOLOGICAL AND PHYSIOLOGICAL SIGNIFICANCE IN A DDE-CONTAMINATED COMMON TERN POPULATION. Wilson Bull. 88 (3): 459-477. Sept. 1976. WR 163
[Canadian Wildl. Serv., Environment Canada, Ottawa, Ontario, K1A 0H3, Canada] /Sterna hirundo/ in Canada.

76-003482 Gilbertson, Michael; Morris, Ralph D.; Hunter, Rodger A. ABNORMAL CHICKS AND PCB RESIDUE LEVELS IN EGGS OF COLONIAL BIRDS ON THE LOWER GREAT LAKES (1971-73). Auk 93 (3): 434-442. July 1976. WR 163
[Canadian Wildl. Serv., Ottawa, Ontario, Canada] "This paper reports the incidence of abnormal chicks found in colonies of Black-crowned Night-Herons (/Nycticorax nycticorax/), Herring Gulls (/Larus argentatus/), Ring-billed Gulls (/L. delawarensis/). Common Terns (/Sterna hirundo/), and Caspian Terns (/Hydroprogne caspia/) in the lower Great Lakes. The residue livels of PCB in eggs collected from seven colonies are also reported."

76-003483 Gough, A. W.; Sileo, L. UNIDENTIFIED KIDNEY INCLUSION BODIES IN A LEAD-POISONED LORIKEET. J. Wildl. Dis. 12 (3): 390-391. July 1976. WR 163
[Ontario Minist. Agric. & Food, Guelph, Ontario, Canada N1H 6R8]

76-003484 Grandjean, Philippe POSSIBLE EFFECT OF LEAD ON EGG-SHELL THICKNESS IN KESTRELS 1874-1974. Bull. Environ. Contam. Toxicol. 16 (1): 101-106, July 1976. WR 163
[Univ. Copenhagen, Copenhagen, Denmark] /Falco tinnunculus/ in Denmark.

76-003485 Heinz, Gary H. METHYLMERCURY: SECOND-GENERATION REPRODUCTIVE AND BEHAVIORAL EFFECTS ON MALLARD DUCKS. J. Wildl. Manage. 40 (4): 710-715. Oct. 1976. WR 163
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] /Anas platyrhynchos/.

76-003486 Hill, Elwood F.; Heath, Robert G.; Williams, Joseph D. EFFECT OF DIELDRIN AND AROCLOR 1242 ON JAPANESE QUAIL EGGSHELL THICKNESS. Bull. Environ. Contam. Toxicol. 16 (4): 445-453. Oct. 1976. WR 163
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] /Coturnix coturnix japonica/.

76-003487 Jefferies, D. J.; Parslow, J. L. F. THYROID CHANGES IN PCB-DOSED GUILLEMOTS AND THEIR INDICATION OF ONE OF THE MECHANISMS OF ACTION OF THESE MATERIALS. Environ. Pollut. 10 (4): 293-311. June 1976. WR 163
[Monks Wood Exp. Stn., Abbots Ripton, Huntingdon, England] /Uria aalge/.

76-003488 Johnston, David W. ORGANOCHLORINE PESTICIDE RESIDUES IN UROPYGIAL GLANDS AND ADIPOSE TISSUE OF WILD BIRDS. Bull. Environ. Contam. Toxicol. 16 (2): 149-155. Aug. 1976. WR 163
[Univ. Fla., Gainesville 32611] Data for 28 spp.

76-003489 Klaas, Erwin E.; Swineford, Douglas M. CHEMICAL RESIDUE CONTENT AND HATCHABILITY OF SCREECH OWL EGGS. Wilson Bull. 88 (3): 421-426. Sept. 1976. WR 163
[Iowa Coop. Wildl. Res. Unit, Ames 50011] /Otus asio/.

76-003490 Knupp, D. M.; Owen, R. B., Jr.; Diamond, J. E. PESTICIDE DYNAMICS IN ROBINS NESTING IN CONTAMINATED AND UNCONTAMINATED FORESTS IN NORTHERN MAINE. Can. J. Zool. 54 (10): 1669-1673. Oct. 1976. In English with French summ. WR 163
[Unity Coll., Unity, Maine 04988] /Turdus migratorius/.

76-003491 Koivusaari, Juhani; Nuuja, Ismo; Palokangas, Risto; Hattula, Marja-Liisa CHLORINATED HYDROCARBONS AND TOTAL MERCURY IN THE PREY OF THE WHITE-TAILED EAGLE (/HALIAEETUS ALBICILLA/ L.) IN THE QUARKEN STRAITS OF THE GULF OF BOTHNIA, FINLAND. Bull. Environ. Contam. Toxicol. 15 (2): 235-241. Feb. 1976. WR 163
[Univ. Kuopio, Kuopio, Finland]

76-003492 Kolaja, Gerald J.; Hinton, David E. HISTOPATHOLOGIC ALTERATIONS IN SHELL GLAND ACCOMPANYING DDT-INDUCED THINNING OF EGGSHELL. Environ. Pollut. 10 (3): 225-231. Apr. 1976. WR 163
[Veterinary Pathol. Biomed. Lab., Aberdeen Proving Grounds, Md. 21010] /Anas platyrhynchos/.

76-003493 Ludke, J. Larry ORGANOCHLORINE PESTICIDE RESIDUES ASSOCIATED WITH MORTALITY: ADDITIVITY OF CHLORDANE AND ENDRIN. Bull. Environ. Contam. Toxicol. 16 (3): 253-260. Sept. 1976. WR 163
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] /Colinus virginianus/.

76-003494 Odom, Bon B. MERCURY CONTAMINATION IN GEORGIA RAILS. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 649-658. 1975. WR 163
[Ga. Dep. Nat. Resour., Social Circle] /Rallus longirostrus/ and /Porzana carolina/.

76-003495 Peakall, David B.; Miller, David S.; Kinter, William B. BLOOD CALCIUM LEVELS AND THE MECHANISM OF DDE-INDUCED EGGSHELL THINNING. Environ. Pollut. 9 (4): 289-294. Dec. 1975. WR 163
[Canadian Wildl. Serv., Ottawa, Ontario K1A 0H3, Canada] Abstract: To elucidate further the underlying mechanisms of organochlorine pesticide-induced eggshell thinning, we have determined the effect of DDE feeding on blood calcium levels in laying ring doves (/Streptopelia risoria/) and white Pekin ducks (/Anas platyrhynchos/). While DDE feeding caused significant thinning of dove and duck eggshells (35 percent and 20 percent thinning, respectively), it did not affect blood calcium levels. These findings are consistent with those mechanisms of DDE action involving inhibition of shell gland function, but not with those involving decreased calcium supply to the gland.

76-003496 Peakall, David B.; Reynolds, Linccln M.; French, M. C. DDE IN EGGS OF THE PEREGRINE FALCON. Bird Study 23 (3): 183-186. Sept. 1976. WR 163
[Canadian Wildl. Serv., Ottawa, Ontario, Canada K1A 0H3] /Falco peregrinus/.

76-003497 Pearce, P. A.; Price, I. M.; Reynolds, L. M. MERCURY IN WATERFOWL FROM EASTERN CANADA. J. Wildl. Manage. 40 (4): 694-703. Oct 1976. WR 163
[Canadian Wildl. Serv., Fredericton, New Brunswick, Canada E3B 4Z9] Average wet-weight concentrations of total mercury were 0.15 and 0.31 ppm in breast muscle of 146 dabbling (Anatinae) and 61 diving ducks (Aythyinae) from 21 sites in eastern Canada sampled prior to the 1970 hunting season and during the 1971 season.--From abstr.

76-003498 Peterson, Steven R.; Ellarson, Robert S. TOTAL MERCURY RESIDUES IN LIVERS AND EGGS OF OLDSQUAWS. J. Wildl. Manage. 40 (4): 704-709. Oct. 1976. WR 163
[Univ. Idaho, Moscow 83843] Total mercury was determined in 99 oldsquaw (/Clangula hyemalis/) livers and 11 composite clutches collected on Lake Michigan and in northwest Hudson Bay.--From abstr.

76-003499 Prouty, Richard M.; Peterson, James E.; Locke, Louis N.; Mulhern, Bernard M. DDD POISONING IN A LOON AND THE IDENTIFICATION OF THE HYDROXYLATED FORM OF DDD. Bull. Environ. Contam. Toxicol. 14 (4) : 385-388. Oct. 1975. WR 163
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] /Gavia immer/ in Mississippi.

76-003500 Ream, Catherine H. LOON PRODUCTIVITY, HUMAN DISTURBANCE, AND PESTICIDE RESIDUES IN NORTHERN MINNESOTA. Wilson Bull. 88 (3): 427-432. Sept. 1976. WR 163
/Gavia immer/.

76-003501 Schafer, E. W., Jr.; Brunton, R. B.; Lockyer, N. F.; Cunningham, D. J. THE CHRONIC TOXICITY OF METHIOCARB TO GRACKLES, DOVES, AND QUAIL AND REPRODUCTIVE EFFECTS IN QUAIL. Bull. Environ. Contam. Toxicol. 14 (6): 641-647. Dec. 1975. WR 163
[Denver Wildl. Res. Cent., Denver, Colo. 80225] /Quiscalus quiscula/, /Zenaida macroura/ and /Coturnix coturnix/.

76-003502 Zitko, V. LEVELS OF CHLORINATED HYDROCARBONS IN EGGS OF DOUBLE-CRESTED CORMORANTS FROM 1971 TO 1975. Bull. Environ. Contam. Toxicol. 16 (4): 399-405. Oct. 1976. WR 163
[Environment Canada, Biol. Stn., St. Andrews, New Brunswick, Canada E0G 2X0] /Phalacrocorax auritus/.

BIRDS--PARASITES & DISEASES

76-003503 Ashford, R. W.; Palmer, T. T.; Ash, J. S.; Bray, R. S. BLOOD PARASITES OF ETHIOPIAN BIRDS. 1. GENERAL SURVEY. J. Wildl. Dis. 12 (3): 409-426. July 1976. WR 163
[Liverpool School Tropical Med., Pembroke Place, Liverpool L3 5QA, England] Abstract: Five thousand and forty-six smears from 352 species of birds in Ethiopia were examined for blood parasites in an attempt to provide base-line data, to indicate fruitful areas for further study, on avian hematozoa. The prevalence of infection and the parasites found, with particular reference to /Plasmodium/, are discussed. At least 22 parasite species were recognized.

76-003504 Bennett, Gordon F.; Borrero H., Jose Ignacio BLOOD PARASITES OF SOME BIRDS FROM COLOMBIA. J. Wildl. Dis. 12 (3): 454-458. July 1976. WR 163
[Memorial Univ. Newfoundland, St. John's, Newfoundland, Canada] Blood films from 421 birds of 142 species, representing 29 avian families, from the environs of Cali, Colombia, were examined for blood parsites. Only 30 (7.1 percent) birds of 26 species harbored hematozoa.--From abstr.

76-003505 Deardorff, Thomas L.; Schmidt, Gerald D.; Kuntz, Robert E. TAPEWORMS FROM PHILIPPINE BIRDS, WITH THREE NEW SPECIES OF /RAILLIETINA/ (/RAILLIETINA/). J. Helminthol. 50 (2): 133-142. June 1976. WR 163
[Gulf Coast Res. Lab., P.O. Drawer AG, Ocean Springs, Miss. 35964] Thirteen species of cestodes from 13 spp. of Philippine birds are reported from Palawan Island.

76-003506 Gough, Patricia M.; Jorgenson, Richard D. RABIES ANTIBODIES IN SERA OF WILD BIRDS. J. Wildl. Dis. 12 (3): 392-395. July 1976. WR 163
[Iowa State Univ., Ames 50011] Three hundred forty-three birds representing six orders and 22 species were examined serologically for antibodies against rabies.--From abstr.

76-003507 Huchzermeyer, F. W. THE THREAT OF DISEASE TO INDIGENOUS WILD BIRD POPULATIONS. Honeyguide no. 85. 32-33. Feb. 1976. WR 163
[Univ. Pretoria, Pretoria, South Africa]

76-003508 Landolt, Marsha; Kocan, Richard M. TRANSMISSION OF AVIAN POX FROM STARLINGS TO ROTHCHILD'S MYNAHS. J. Wildl. Dis. 12 (3): 353-356. July 1976. WR 163
[Univ. Wash., Seattle 98195] /Sturnus vulgaris/ and /Leucospar rothchildii/.

BIRDS--ECONOMICS, DAMAGE, PREDATION, CONTROL

76-003509 Brown, Keith S., Jr.; Vasconcellos Neto, Joao PREDATION ON APOSEMATIC ITHOMIINE BUTTERFLIES BY TANAGERS (/PIPRAEIDEA MELANONOTA/). Biotropica 8 (2): 136-141. June 1976. WR 163
[Univ. Estadual de Campinas, C. P. 1170, Campinas, Sao Paulo 13.100, Brazil]

76-003510 Csernavolgyi, Laszlo A NAGYUZEMI NAPRAFORGOTABLAK GALAMBES VARJUFELEK KARTETELE ELLENI VEDEKEZESENEK LEHETOSEGEI A VEGETACIO TELJES IDEJE ALATT. [POSSIBILITIES OF CONTROL OF DOVE AND CORVID DAMAGE IN THE SUNFLOWER FIELDS THROUGHOUT THE ENTIRE VEGETATIVE PERIOD.] Aquila 82: 201-209. 1976. Hungarian and German texts. WR 163
[Kinizsi u. 22, 1092 Budapest, Hungary] /Streptopelia decaocto/, /Columba livia domestica/, /C. palumbus/, /Corvus frugilegus/ and /C. c. cornix/

76-003511 Hunter, Rodger A.; Morris, Ralph D. NOCTURNAL PREDATION BY A BLACK-CROWNED NIGHT HERON AT A COMMON TERN COLONY. Auk 93 (3): 629-633. July 1976. WR 163
[Brock Univ. St. Catharines, Ontario, Canada L2S 3A1] /Nycticorax nycticorax/ and /Sterna hirundo/ in Canada.

76-003512 Johnson, Kenneth W.; Johnson, Joye E. AN INCIDENT OF BLUE JAY PREDATION ON A YELLOW-RUMPED WARBLER. Wilson Bull. 88 (3): 509. Sept. 1976. WR 163
[Mary Hardin-Baylor Coll., Belton, Tex. 76513] /Cyanocitta cristata/ and /Dendroica coronata/ in Texas.

76-003513 Littlefield, Carroll D. SANDHILL CRANES FEEDING ON DUCKLINGS. Wilson Bull. 88 (3): 503-504. Sept. 1976. WR 163
[U.S. Fish & Wildl. Serv., Box 671, Burns, Oreg. 97720] /Grus canadensis/ and /Anas strepera/ in Oregon.

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[Ekologihuset, S-223 32 Lund, Sweden]

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[Voroshadsereg u. 58, 5363 Nagyivan, Hungary]

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[Natl. Unit for Bird-Ringing Administration, Cape Town, South Africa]

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/Sarothrura ayresi/.

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76-003659 Brown, William Y. GROWTH AND FLEDGING AGE OF THE BROWN NODDY IN HAWAII. Condor 78 (2): 263-264. 1976. WR 163
[Monitor, Suite 925, 1346 Connecticut Ave., N. W., Washington, D. C. 20036] /Anous stolidus/.

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[U.S. Naval Med. Res. Unit no. Three (NAMRU-3), American Embassy, Cairo, Egypt.] /Sterna fuscata nubilosa/.

76-003662 Cormons, Grace Donaldson ROSEATE TERN BILL COLOR CHANGE IN RELATION TO NESTING STATUS AND FOOD SUPPLY. Wilson Bull. 88 (3): 377-389. Sept. 1976. WR 163
[311 Hudson Ave., Tenafly, N.J. 07670] /Sterna dougallii/ in New York.

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76-003664 Elwell, N. H. WHISKERED TERNS BREED IN THE TRANSVAAL. Bokmakierie 28 (1): 9-11. Mar. 1976. WR 163
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[Univ. Calif., Davis 95616] The main results of an eleven year program studying proteins of Antarctic species are summarized. the egg white or blook serum proteins of six species of Antarctic and New Zealand penguins (/Pygoscelis adeliae/, /Aptenodytes forsteri/, /Eudyptes schlegeli/, /Megadyptes antipodes/, /Eudyptes crestatus/, and /Eudyptula albosignata/) were studied.--From abstr.

76-003667 Gribble, F. C. A CENSUS OF BLACK-HEADED GULL COLONIES. Bird Study 23 (2): 135-145. June 1976. WR 163
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[Sub. Dep. Anim. Behav., High St., Madingley, Cambridge CB3 8AA, England] /Hydrobates pelagicus/ and /Oceanodroma leucorhoa/.

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[Naval Med. Res. Unit no. 3, NAMRU-3, American Embassy, Cairo, Egypt]

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[Univ. British Columbia, Vancouver, British Columbia V6T 1W5, Canada]

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[Univ. Queensland, St. Lucia, Queensland 4067, Australia] /Sterna/ spp. and /Larus novaehollandiae/.

76-003673 Jefferies, D. J.; Parslow, J. L. F. THE GENETICS OF BRIDLING IN GUILLEMOTS FROM A STUDY OF HAND-REARED BIRDS. J. Zool. (Lond.) 179 (3): 411-420. July 1976. WR 163
[Monks Wood Exp. Stn., Abbots Ripton, Huntingdon, England] /Uria aalge/.

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[Cornell Univ., Ithaca, N.Y. 14853] /Larus atricilla/ in Florida.

76-003675 Kelemen, A.; Szombath, Z. OSSZEHASONLITO MEGFIGYELESEK A KUSZVAGO ES A KIS CSER KOLTESI MAGATARTASAROL. [COMPARATIVE OBSERVATIONS OF THE BREEDING BEHAVIOR OF COMMON TERN AND LITTLE TERN.] Aquila 82: 211-228. 1976. Hungarian and German texts. WR 163
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Abbott, Ian
76-003360
76-003361
Abramson, I. Joel
76-003689
Adam, Katherine M. G.
76-003238
Adams, Diana L.
76-003362
Adams, L. G.
76-003200
Adams, Lowell W.
76-003464
Adams, William J.
76-003465
Adkisson, C. S.
76-003761
Afolayan, T. A.
76-003310
Afton, Alan D.
76-002860
Agami, Moshe
76-002857
Agar, N. S.
76-002967
Agudo Valero, Jose L.
76-002931
Aguirpe, Alvaro C.
76-003542
Ah, Hyong-Sun
76-003080
Ahlen, Ingemar
76-003766
Ahroon, J. K.
76-003081
Ailes, Irvin W.
76-003389
Ajello, L.
76-003183
Akers, T. G.
76-002961
Al Saadi, M.
76-003025
Albers, Peter H.
76-003735
Alcaide Megias, A.
76-002931
Aleksiuk, Michael
76-003974
Alexandro, Peter J.
76-003851
Alison, R. M.
76-003520
76-003565
76-003566
76-003567

Alison, R. M.....continued
76-003608
Allen, Cynthia
76-003075
Allen, Stephen H.
76-003151
Allen, T. J.
76-003226
Aloia, Roland C.
76-003053
76-003054
Altenbach, J. Scott
76-002936
Alvarez, Humberto
76-003736
Amborski, Grace F.
76-003882
Amborski, Robert L.
76-003882
Amerault, T. E.
76-003237
Ammann, B. D.
76-003473
Anadu, P. A.
76-003068
Anderka, Fred W.
76-003285
Andersen, Douglas C.
76-003032
Anderson, Daniel W.
76-003466
76-003651
Anderson, Irene T.
76-003651
Anderson, James D.
76-003874
Anderson, Marilyn Patricia
76-003938
Anderson, Paul K.
76-003082
Anderson, R. M.
76-003416
Anderson, Stanley H.
76-003767
Anderson, W. M.
76-003875
Andersson, Ake
76-003766
Andersson, Malte
76-003083
76-003652
Andrews, Robin M.
76-003939
Andriesen, A. A.
76-003653

AUTHOR INDEX

Andrle, Patricia B.
76-003768
Andrle, Robert F.
76-003768
Ankney, C. D.
76-003594
Ankney, C. Davison
76-003857
Applegate, James E.
76-003017
Archibald, Herbert L.
76-003521
Ariagno, Daniel
76-002915
Arizonao, Naoki
76-003162
Armitage, Kenneth B.
76-003032
76-003033
76-003034
76-003063
76-003064
Arndt, Rudolf G.
76-003995
76-003996
Arner, Dale H.
76-003556
Arnold, Arthur P.
76-003412
Arthur, R. D.
76-002932
Arvy, Lucie
76-003163
Asbirk, Sten
76-003363
76-003364
Ash, J. S.
76-003503
Ashford, R. W.
76-003503
Asmundson, Sally J.
76-003053
76-003054
Aspinwall, D. R.
76-003365
Astic, Liliane
76-003084
Auffenberg, Walter
76-003940
Aulie, Arnfinn
76-003522
Austin, David H.
76-003541
Avery, David F.
76-003963
Badham, Judith A.
76-003941
Bailie, Geoffrey L.
76-003004
Bainbridge, M. J.
76-003312
Baker, Robert J.
76-003013
Baker, Robert S.
76-002885
Baker, Roberto J.
76-002992
Balasch, J.
76-003690
Balcells E., E.
76-003876
Balda, Russell P.
76-003383
Baldaccini, N. E.
76-003543
Baldwin, William P.
76-003579
Banaja, A. A.
76-003654
76-003655
Banholzer, Ursel
76-003152
Banta, Benjamin d.
76-003915
76-004008
Baptist, H. J. M.
76-003605
Barasona Mata, J.
76-002931
Barbacsy, Zoltan
76-003769
Barbault, R.
76-003942
Barnes, Brian
76-003053
76-003054
Barnett, John L.
76-002968
Barr, J. F.
76-003635
Barrentine, B. F.
76-002932
Barrett, Gary W.
76-003362
Barth, D.
76-003239
Bartholomew, George A.
76-003943
Barus, V.
76-003770
Batten, Leo Adrian
76-003433

Bauchot, R.
76-002926
Baudoin, Claude
76-003085
Baverstock, P. R.
76-003086
Bean, Jerry R.
76-003467
Beaver, Donald L.
76-003468
Bell, Kenneth
76-003771
Bell-Cross, Graham
76-003417
Belson, Donald J.
76-003596
Belwood, J. J.
76-002987
Bengtson, S.-A.
76-003087
Bennett, Albert F.
76-003943
76-003944
Bennett, Gordon F.
76-003504
Bennington, Seddon L.
76-003469
Bennion, Robert S.
76-003945
Benson, W. W.
76-003470
76-003471
Benvenuti, S.
76-003543
Berberich, J. J.
76-003088
Bergdeland, M. E.
76-003473
Bergh, L. M. J. van den
76-003595
Bergman, S. K. A.
76-002958
Berkeley, Philip
76-003602
Bernick, James J.
76-003946
Berry, C. U.
76-003366
Berry, H. H.
76-003366
Berthold, P.
76-003447
Bickham, John W.
76-002916
Biebach, H.
76-003772
Bigler, W. J.
76-003039
Bigler, William J.
76-002944
Billett, J. B.
76-002962
Binger, H. C.
76-003473
Bisset, Alan B.
76-003594
Bisset, Stewart A.
76-003568
Bissett, Marjorie L.
76-003202
Bissonette, John Alfred
76-003311
Bjarvall, Anders
76-002964
Black, Hugh C.
76-002904
Blake, Edward
76-003569
Blankenship, Lytle H.
76-003200
Blaustein, Andrew R.
76-003089
Bledsoe, Sonia
76-003908
Bleich, Vernon C.
76-003090
76-003141
Blem, Charles R.
76-003121
76-003773
Blewett, D. A.
76-003238
Blix, Arnoldus Schytte
76-003065
Blomme, C. G.
76-003731
Blomqvist, Sven
76-003448
Blymyer, Michael J.
76-003018
Boag, D. A.
76-003523
76-003539
Bock, Carl E.
76-003434
76-003737
76-003738
76-003774
76-003775
76-003808
Boere, G. C.
76-003609

AUTHOR INDEX

Bogart, James P.
76-003877
76-003878
Bogucki, Zdzislaw
76-003435
Bolen, Eric G.
76-003574
Bondrup-Nielsen, Soren
76-003367
Borchelt, Peter L.
76-003091
Borchert, Mark
76-003052
Borchwardt, V. G.
76-003947
Borgmann, Anne I.
76-002988
76-003001
Borneman, John C.
76-003691
Borrero H., Jose Ignacio
76-003504
Bos, G. N.
76-003240
Boshes, Michael
76-003049
Bosworth, Walter
76-003092
Botzler, R. G.
76-003282
Bouchard, Rodrigue
76-002906
Bouchner, Miroslav
76-003534
Boulton, Rudyerd
76-003557
Bourne, W. R. P.
76-003656
Bovet, Jacques
76-003066
Bowen, G. Stephen
76-002954
Bozhko, Svetlana Ivanovna
76-003776
Brackbill, Hervey
76-003739
Brackin, Michael Francis
76-003948
Bradford, David F.
76-003093
Bradley, W. G.
76-003094
Braithwaite, L. W.
76-003548
76-003549
76-003570
Branchek, Robert S.
76-003091
Brand, Leonard R.
76-003035
Braun, Clait E.
76-003544
Bray, H.
76-002961
Bray, O. E.
76-003754
Bray, R. S.
76-003503
Braysher, M. L.
76-003949
Bremond, Jean-Claude
76-003777
Bridge, David
76-003844
Briggs, Kenneth T.
76-003182
Broadley, Donald G.
76-002881
76-002882
76-003950
Brock, Darrel W.
76-003470
Brock, Darrell W.
76-003471
Brocklesby, D. W.
76-003238
Brodie, Edmund D., Jr.
76-003879
76-003889
Broekhuysen, G.
76-003692
Broekhuysen, G. J.
76-003657
Broekhuysen, M.
76-003692
Brooke, R. K.
76-003368
76-003778
Brooke, Richard
76-003369
76-003418
Broschat, Timothy K.
76-003782
Brown, A. Irene
76-003550
Brown, Ann M.
76-003026
Brown, Carl Kice
76-003951
Brown, David E.
76-003545

AUTHOR INDEX

Brown, Keith S., Jr.
76-003509
Brown, William Y.
76-003658
76-003659
Browne, Robert A.
76-003095
Bruggemann, J.
76-003196
Bruine, J. H. de
76-003319
Brun, Einar
76-003660
Bruns, Volkmar
76-002989
76-002990
Brunton, D. F.
76-003779
Brunton, R. B.
76-003501
Brush, Alan H.
76-003558
Bryan, H. P.
76-003312
Bubenik, A. B.
76-003241
Bubenik, A. B.
76-003242
Bucher, Enrique H.
76-003546
Buchler, Edward R.
76-002991
Buech, Richard R.
76-003472
Bull, A. L.
76-002902
Bunnell, F.
76-003243
Burger, A. E.
76-003587
76-003780
Burghardt, Gerhard
76-003734
Burke, T. Michael
76-003080
Burkhart, D. M.
76-003532
Burns, John M.
76-003096
Burt, Michael D. B.
76-003626
Burton, F. D.
76-003334
Burton, Jean
76-003610
Burton, T. C.
76-003740
Bury, R. Bruce
76-003863
Busack, Stephen D.
76-003880
Butler, Stuart H.
76-002910
Buttner, K.
76-002955
Buttner, Klaus
76-003244
Butts, Kenneth O.
76-003693
Byford, James L.
76-002893
Byrd, Mitchell A.
76-003722
Bystrak, Danny
76-003394
Caccamise, Donald F.
76-003741
76-003851
Cadena, Alberto
76-002992
Cain, J. D.
76-002932
Cairns, John, Jr.
76-002842
Caldwell, D. K.
76-003183
Caldwell, Melba C.
76-003183
Call, D. J.
76-003473
Cameron, Raymond D.
76-003245
Campbell, Craig A.
76-003370
Campbell, G. S.
76-003413
Campbell, Howard
76-003517
Campbell, J. H.
76-003590
Cannon, Allen W.
76-002854
Capeheart, John H.
76-003096
Capone, Michael H.
76-003125
Capranica, Robert R.
76-003892
76-003914
Caprinica, Robert R.
76-003881
Carey, Cynthia
76-003408

Carpenter, Charles C.
76-003952
Carpenter, F. L.
76-003781
Carpenter, S. M.
76-003549
Carr, Alan H.
76-003882
Carr, Catherine M.
76-003953
Carscadden, James E.
76-003194
Carver, B. D.
76-002933
Casinos, A.
76-003184
Caskey, H. L.
76-003022
Caswell, Hal
76-002861
Cave, A. J. E.
76-003313
Cerna, Z.
76-002879
76-002993
Cerny, V.
76-003611
Chabreck, Robert H.
76-003225
76-003571
76-003596
Chaffee, H. R. J.
76-003137
Chandra, Satya V.
76-002938
Channing, Alan
76-003883
Charnetski, W. A.
76-003474
Cheal, Peter D.
76-002968
Chernin, Eli
76-003092
Chernoff, N.
76-002933
Chilian, William M.
76-003036
Chiszar, David
76-003954
Choate, Jerry R.
76-002916
Christman, Steven P.
76-004009
Cink, Calvin L.
76-003612
76-003782
Clapper, Louis S.
76-002894
Clark, A.
76-003572
Clark, Donald E., Jr.
76-002934
76-003475
Clark, Richard J.
76-003694
Clausing, Peter
76-003783
Clayton, C. G.
76-003884
Clifford, Carleton M.
76-003670
Clough, Garrett C.
76-003097
Coady, John W.
76-003098
Cobb, Robert G.
76-003553
Coblentz, Bruce E.
76-003314
Cockrum, E. L.
76-003099
Coelho, P. M. Z.
76-003169
Collier, J. L.
76-003476
Compoint-Monsignaut, C.
76-003027
Condy, J. B.
76-003695
Conley, Walt
76-003100
Connors, Carolyn Wolfram
76-003469
Connors, Peter G.
76-003469
Contet-Audonneau, J.-L.
76-002926
Contreras, Julio R.
76-003101
76-003102
Converse, James D.
76-003661
Cook, A. W.
76-003758
Cooke, C. K.
76-003343
Cooper, Ellis John
76-003885
Cooper, J.
76-003613
Cormons, Grace Donaldson
76-003662

Cornwell, George W.
76-003562
Costa, C. A.
76-003169
Courtney, P. A.
76-002907
Cox, J. H.
76-003478
Cox, P. J.
76-002963
Craib, C. L.
76-002898
Craig, A. J. F. K.
76-003784
Crase, Frederick T.
76-003785
Crawford, Eugene C., Jr.
76-003955
Crawford, Hewlette S.
76-003208
Creusere, F. Michael
76-003886
Crews, David P.
76-004028
Crins, W. J.
76-003779
Crome, F. H. J.
76-003547
76-003852
Crook, J. H.
76-002928
Cross, Gerald H.
76-002892
Csernavolgyi, Laszlo
76-003510
Culley, Dudley D., Jr.
76-003882
Cumbie, Peter M.
76-002935
Cumming, D. H. M.
76-003315
Cumming, H. G.
76-003246
Cummings, J. A.
76-003192
Cunningham, D. J.
76-003501
Cunningham, Danis Lane
76-003535
Curatolo, James A.
76-003389
Curtis, Donald E.
76-002859
Czarnecki, Zygmunt
76-003436

Daan, Serge
76-003103
76-003104
76-003130
76-003131
76-003132
Dafni, Amots
76-002857
Dagg, Anne Innis
76-003370
Dalling, John
76-003696
Damron, B. L.
76-003477
Daniel, M.
76-003770
Dapkus, David
76-003887
Dasmann, Marlene M.
76-003956
Dau, Christian P.
76-003573
Dauphine, D. C.
76-003243
Dauphine, T. C., Jr.
76-003247
Davidson, W. R.
76-002957
Davis, A. H.
76-003697
Davis, William B.
76-002994
Davison, Elizabeth
76-003975
Davison, K. L.
76-003478
Dawe, Albert R.
76-003061
Dawson, Gary Alan
76-003335
Dawson, William R.
76-003943
De Jong, Alvin A.
76-003786
De Villiers, A. F.
76-003185
Dean, Frederick C.
76-003663
Dearden, Boyd L.
76-003248
Deardorff, Thomas L.
76-003505
Degabriele, Robert
76-002969
DeGraaf, Richard Matthew
76-003371

Dehority, B. A.
76-003249
76-003250
Delnicki, Don
76-003574
Derenne, Ph.
76-002908
Derickson, W. Kenneth
76-003957
Derksen, Dirk V.
76-002920
Desforges, M. F.
76-003575
Deutsch, Ljerka
76-003326
Dewsbury, Donald A.
76-003108
Diamond, Jared M.
76-002866
76-003372
Dias, M.
76-003169
Dickson, James G.
76-003530
Diehl, Barbara
76-003373
Dieter, Michael P.
76-003479
76-003480
Dieterich, R. A.
76-003251
Dijk, Arend J. van
76-003614
Diller, Lowell V.
76-004002
Dimmick, Ralph W.
76-003531
Dimond, J. B.
76-003490
Dippenaar, N. J.
76-003105
Disney, H. J. de S.
76-003374
Dixon, James R.
76-003888
76-003958
76-003995
Dixon, John E. W.
76-003019
76-003615
Doane, Helen M.
76-003133
Dodd, C. Kenneth, Jr.
76-003889
Dolan, Patricia G.
76-003124
Donchev, Stefan
76-003518
Dorsey, Donald C.
76-002959
Doty, Harold A.
76-003576
Dow, Douglas D.
76-003345
Dowler, Robert C.
76-002858
Downhower, Jerry F.
76-003034
Downing, Robert L.
76-003205
Dragoev, Peter
76-003536
Drescher, H.-Eberhard
76-003174
Drescher-Kaden, Ute
76-003196
Dressler, Richard L.
76-003201
Drevemo, S. A.
76-003197
Drickamer, Lee C.
76-003125
Dube, Marjory
76-003075
DuBois, Stephen D.
76-003559
Duebbert, Harold F.
76-002865
Dugand, Armando
76-003959
Dunaeva, T. N.
76-003029
Duncan, Robert A.
76-003787
Dundee, Harold A.
76-003923
Dunn, Erica H.
76-003788
Dunson, Margaret K.
76-003864
Dunson, William A.
76-003864
76-003960
76-004012
Dupuie, Howard H.
76-003596
Durman, Roger F.
76-003789
Durojaiye, O. A.
76-002880
Dyrcz, Andrzej
76-003346

Dzieciolowski, Ryszard
76-003252
Earl, Zosia
76-003106
Eaton, Randall L.
76-002929
Ebbinge, Bart
76-003597
Ebedes, H.
76-003319
76-003336
Eberhard, Mark L.
76-003107
Ebisu, R. J.
76-003181
Edwards, J. L.
76-003896
Edwards, Joan
76-003253
Edwards, N. A.
76-002924
Edwards, Stephen R.
76-003865
Eiberle, K.
76-003254
76-003255
Eichler, Victor B.
76-003890
Einon, Dorothy
76-003069
Ellarson, Robert S.
76-003498
Elliott, C. C. H.
76-003657
Elliott, Jeffrey A.
76-003814
Ellis, J. E.
76-002928
Ellisor, J. E.
76-003200
Eltringham, S. K.
76-003324
Elwell, N. H.
76-003664
Emerson, Sharon B.
76-003891
Emmons, Richard W.
76-003202
Engbretson, Gustav Alan
76-003961
Engbring, John
76-003533
Engelhardt, F. R.
76-003186
Engelhardt, W. v.
76-003318
Engerbretson, K. A.
76-003478
Erbersdobler, H.
76-003196
Erickson, Albert W.
76-003259
Erickson, John Eugene
76-003790
Ericson, Carol A.
76-003256
Eriksson, Olof
76-003257
Erskine, Anthony J.
76-003347
76-003419
76-003437
76-003438
Espmark, Yngve
76-003258
Estep, Daniel Q.
76-003108
Evans, David E.
76-003670
Evans, David H.
76-003985
Eveleigh, Eldon S.
76-003616
Ewert, Michael A.
76-003962
Eyman, F. E. "Bud"
76-002886
Faaborg, John
76-003603
Faaborg, John Raynor
76-003375
Fairfield, George M.
76-003791
Falade, S.
76-002880
Faleschini, R. J.
76-003037
Falk, Noel W.
76-003203
Falls, J. B.
76-003849
Fanghella, Charles
76-003963
Fansler, R. K.
76-002867
Farhang-Azad, Abdulrahman
76-003070
Favara, Blaise E.
76-002947
Feare, Christopher J.
76-003661
76-003665

Feder, Martin E.
76-003908
Feduccia, Alan
76-003617
Feeney, Robert E.
76-003666
Feinsinger, Peter
76-003853
Feist, Dale D.
76-003109
Felsher, Jonathan
76-003913
Feng, Albert S.
76-003892
Fenton, M. B.
76-002871
76-002907
76-002987
Ferguson, Gary W.
76-003964
Ferguson, H. L.
76-003761
Ferns, P. N.
76-003376
Ferry, Camille
76-003377
Fetisov, S. A.
76-003524
Fiaschi, V.
76-003543
Fidura, F. G.
76-003081
Finley, Mack T.
76-003479
76-003480
Fisk, Lanny H.
76-003420
Fjelheim, P.
76-003298
Flack, J. A. Douglas
76-003792
Flanigan, W. F., Jr.
76-003965
76-003966
Fleming, T. H.
76-002871
Fleming, William H.
76-003540
Folk, G. E., Jr.
76-002868
76-003088
Folk, G. Edgar, Jr.
76-003061
Fons, Roger
76-002978
Ford, Hugh A.
76-003793
Foreyt, William J.
76-003204
Foster, Mercedes S.
76-003794
Fox, Glen A.
76-003481
Foy, Mrs. Roger W.
76-003449
Franzreb, Kathleen E.
76-003348
Fraser, Douglas F.
76-003893
Freddy, David J.
76-003259
French, M. C.
76-002940
76-003496
Frith, C. B.
76-003795
Frith, H. J.
76-003547
76-003548
76-003549
Fritzell, Erik K.
76-003170
Frost, P. G. H.
76-003780
Fryer, R. E. H.
76-003319
Fulk, George W.
76-003110
Fuller, H. G.
76-002955
Gaare, E.
76-003298
Gabica, Joe
76-003470
76-003471
Gallup, John S.
76-003048
Gargett, Valerie
76-003698
Gasaway, William C.
76-003525
76-003526
76-003527
76-003528
Gates, Michael A.
76-003796
Gates, N. L.
76-003153
Gatinot, Bernard L.
76-003337

Gattringer, Angelika
76-003866
Gatz, Randall N.
76-003955
Gau, A. M.
76-003305
Gauld, Lloyd W.
76-003038
Gaunt, Abbot S.
76-003409
Gaunt, Sandra L. L.
76-003409
Gauthier, Clement
76-002906
Gavin, Angus
76-003260
Gavitt, John D.
76-003205
Geertsema, Aadje
76-003180
Geluso, Kenneth N.
76-002936
76-002995
Genoways, Hugh H.
76-002858
76-002916
George, J. C.
76-003538
Geraci, J. R.
76-003186
Geraci, Joseph R.
76-003187
Gerhardt, H. Carl
76-003892
Gibson, A. Ralph
76-003796
Gier, H. T.
76-002943
Giesecke, D.
76-003196
Gilbert, Frederick F.
76-002909
76-003198
Gilbertson, Michael
76-003482
Giles, Robert H., Jr.
76-002895
76-003206
76-003210
Gillam, Harry
76-002853
Gillingham, James C.
76-003952
Gilmer, David S.
76-003598
Gimenez, T.
76-003239
Glen, D. M.
76-003515
Glinski, Richard L.
76-003359
Gochfeld, Michael
76-003742
Goering, E. K.
76-003153
Gogilashvili, G. S.
76-003407
Goldman, Peter
76-003854
Goodman, Jeanne M.
76-003967
76-003968
Goodman, John D.
76-003967
76-003968
Goodson, Brantley
76-002859
Gorman, George C.
76-003969
Goss-Custard, J. D.
76-002928
76-003618
Gottlieb, Gilbert
76-003581
Gottschaldt, K.-M.
76-003599
Gough, A. W.
76-003483
Gough, Patricia M.
76-003506
76-003701
Gould, A. P.
76-002958
Graf, Rudolph L.
76-003206
Graham, David L.
76-003701
Graham, Russell W.
76-002979
Grandjean, Philippe
76-003484
Grant, P. R.
76-003361
Grass, P. M.
76-002958
Graul, Walter, D.
76-003619
Green, P. E.
76-003992
Greenbaum, Ira F.
76-002916
76-003013

Greenberg, Neil
76-003970
Greene, Harry W.
76-003958
76-003971
Greenhouse, Gerald
76-002872
Greenwood, Raymond J.
76-003577
Greer, Kenneth R.
76-003307
Gregory, Patrick T.
76-003953
Greiner, Ellis C.
76-003797
Gribble, F. C.
76-003667
Griffin, Donald R.
76-003894
Griswold, Joseph G.
76-003091
Gromadzki, Maciej
76-003743
Grootenhuis, J. G.
76-003197
Groves, David L.
76-002892
Guard, Charles L.
76-002869
Gupta, P. K.
76-002937
76-002938
Guthery, Fred S.
76-003620
Gutvulyak, M. B.
76-003168
Haas, Peter
76-002922
Hailman, Jack P.
76-003902
Haines, Howard
76-003030
Hall, William P.
76-004022
Hall-Craggs, Joan
76-003668
Halliday, T. R.
76-003895
Hallonquist, J. D.
76-003049
Halls, Lowell K.
76-003207
Halpin, Zuleyma Tang
76-003111
Hamerstrom, Frances
76-003699
Hamerstrom, Frederick
76-003699
Hamm, Kurt
76-002942
Hanks, J.
76-003315
Hansen, L. G.
76-003476
Hansen, Richard M.
76-003248
76-003972
Hanson, Robert P.
76-003038
Hanson, Wayne C.
76-003261
Harding, Lee E.
76-003164
Harlow, Richard F.
76-003208
Harris, Dexter C.
76-002859
Harris, Larry D.
76-002903
76-002905
Harris, M. P.
76-003669
Harrison, C. J. O.
76-003798
Harrop, C. J. F.
76-002969
Hart, Billy J.
76-003150
Hart, Billy Jce
76-003112
Hartse, K. M.
76-003966
Harvey, Elmer H.
76-002851
Harwin, R. M.
76-003450
76-003462
Hattingh, J.
76-003973
Hattula, Marja-Liisa
76-003491
Hausfater, Glenn
76-003338
Hawley, Alexander W. L.
76-003974
Hay, A. W. M.
76-002870
76-002925
Hay, Keith
76-002965
Hayes, Frank A.
76-003220

Hayes, H. H.
76-003209
Hayes, Haven H.
76-003217
Healey, Christopher J.
76-003799
Heath, Robert G.
76-003486
Heatwole, Harold
76-003975
Hecht, M. K.
76-003896
Hector, Dwight H.
76-003409
Hedgren, Stellan
76-003378
Hedley, L. A.
76-003700
Hedlund, J. D.
76-002917
Heinrich, Dirk
76-003071
Heintzelmann-Grongroft, Barbara
76-003020
Heinz, Gary H.
76-003485
Helle, E.
76-002939
Helle, Timo
76-003301

Hemming, J. E.
76-003262

Henderson, Robert W.
76-003976
76-004001
Hennig, Rolf
76-003263
Henny, Charles J.
76-003583
Henty, C. J.
76-003800
Hernandez-Camacho, Jorge I.
76-003920
76-003921
Hetrick, Willa Mae
76-003632
Heyland, J. D.
76-002965
Heymanowski, Kazimierz
76-003316

Hickey, Joseph J.
76-003466
Hidden, Genevieve
76-003163
Hight, Mary Etta
76-003317
Hilborne, R.
76-003243
Hill, Andrew
76-002930
Hill, Elwood F.
76-003486
Hill, John Edwards
76-002996
Hill, Loren G.
76-003898
Hill, Steven E.
76-004037
Hilty, Steven
76-003391
Himes, E. M.
76-003590
Hinderer, S.
76-003318
Hinton, David E.
76-003492
Hirose, Hiroshi
76-003323
Hirshfeld, J. B.
76-002997
Hirshfield, Michael F.
76-002864
Hjort, Christian
76-003379
Ho, Beng-Chuan
76-003079
Hoekstra, Thomas W.
76-003211
Hofer, Rudolf
76-003866
Hoff, G. L.
76-003039
Hoff, Gerald L.
76-002944
Hoffmann, B.
76-003239
Hoffmann, Robert S.
76-003032
76-003113
76-003129
Hofman, Robert Joseph
76-003188
Hofmeyr, J. M.
76-003319
76-003320

Hogan, Mike
76-002859
Hohmann, Carl J.
76-004037
Hokama, Y.
76-003237
Hokanson, Hilding L.
76-002843
Holleman, Dan F.
76-003264
76-003306
Hollis, D. E.
76-002973
Holst, Dietrich v.
76-002980
Holter, J. B.
76-003209
Holter, James B.
76-003217
Homan, Jacqueline A.
76-002918
Hoogstraal, Harry
76-003661
76-003670
Hooven, Edward F.
76-002904
Hopkinson, G.
76-003621
Hopla, Cluff E.
76-003265
Horning, B.
76-002956
Horvath, Lajos
76-003744
Hover, Edward L.
76-003981
How, E. A.
76-002970
Howard, G. W.
76-003321
Howarth, J. A.
76-003237
Howell, David
76-003801
Hrdy, Daniel B.
76-003339
Hrdy, Sarah Blaffer
76-003339
Huang, Jean-Pierre
76-003082
Huang, Shena Wan-Ying
76-003040
Huchzermeyer, F. W.
76-003507
Huck, U. William
76-003072
Huckle, Horace F.
76-002844
Hudson, Rick H.
76-003467
Hughes, Maryanne Robinson
76-003671
Hulsman, Kees
76-003672
Human, Gerrie
76-003825
Humphrey, Stephen R.
76-002998
Hunter, H. C.
76-003628
Hunter, Rodger A.
76-003482
76-003511
Hurley, S. S.
76-003476
Hutchison, Victor H.
76-003897
76-003898
Hutson, Geoffrey D.
76-002971
Ide, Charles Frank
76-003899
Infante Miranda, F.
76-002931
Inglis, Julian T.
76-003266
Ireland, Patrick H.
76-003900
Irvine, A. Blair
76-003977
Iverson, John B.
76-003978
Iwasawa, Hisaaki
76-003901
Jaakkola, Timo
76-003267
Jackson, Crawford G., Jr.
76-003979
Jackson, H. D.
76-003380
Jacob, James S.
76-003980
Jacobs, Gerald H.
76-003041
Jacobsen, E.
76-003268
Jacobson, H. A.
76-002957
76-003021
Jaeger, Linda S.
76-003902

AUTHOR INDEX

Jaeger, Michael Martin
76-003114
Jaeger, Robert G.
76-003902
Jakimchuk, R. D.
76-003269
Jakinovich, William, Jr.
76-003115
James, J. L.
76-003654
76-003655
Janda, Jiri
76-002873
Janossy, Denes
76-003529
Janzen, Daniel H.
76-002883
76-003855
Janzen, Madge J.
76-003855
Jarosch, C. H.
76-003857
Jarvis, Robert L.
76-003533
Jefferies, D. J.
76-002940
76-003487
76-003673
Jenkins, James H.
76-002935
Jensen, Henning
76-003349
Jensen, S.
76-002939
Jensen, Wayne I.
76-003584
Jenssen, Thomas A.
76-003981
Jimenez, M.
76-003690
Joanen, Ted
76-003225
76-003993
Johnson, A. Sydney
76-003579
Johnson, Clifford Ray
76-003903
76-003982
76-004035
Johnson, Donald R.
76-002874
Johnson, Douglas H.
76-003453
Johnson, Joye E.
76-003512
Johnson, Kenneth W.
76-003512
Johnson, Mark K.
76-003972
Johnston, David W.
76-003488
Johnston, J. E.
76-002903
Jones, Arvin E.
76-002887
Jones, D. L.
76-003042
Jones, J. Knox, Jr.
76-002918
Jones, J. Michael
76-003983
Jones, Peter Hope
76-003350
Jones, R. E.
76-003618
Jorgensen, Clive D.
76-003135
Jorgensen, Ole Have
76-003351
76-003439
Jorgenson, Richard D.
76-003506
76-003701
Joubert, E.
76-002919
Joyal, Robert
76-003270
Justo, Enrique R.
76-003101
Jutro, Peter R.
76-003674
Kaaserer, G.
76-002960
Kaiser, Makram N.
76-003661
76-003670
Kallander, Hans
76-003802
Kaminsky, Michael A.
76-003210
Kang, Kim-Lian
76-003079
Kania, Wojciech
76-003743
Kaplan, W.
76-003183
Karel, A. K.
76-002949
Karg, H.
76-003239
Karimi, Y.
76-003028

Karr, James R.
76-003451
Karstad, L.
76-003197
Kaufmann, Reinhard
76-003984
Kaup, Lothar
76-003116
Kearney, Stephen R.
76-003198
Keener, James M.
76-002854
Keeton, William T.
76-003550
Keirans, James E.
76-003670
Keith, Lloyd B.
76-003024
Kelemen, A.
76-003675
Kemp, Alan
76-003622
76-003803
Kemp, Meg
76-003803
Kemper, C. M.
76-003117
Kendall, D. A.
76-003515
Kendeigh, S. Charles
76-003804
Kennard, John H.
76-003805

Kenuk, A. Stephen
76-003704
Kerr, J. D.
76-003312
Kerrich, James N.
76-002888
Ketcham, Sherman
76-003976
Ketterson, Ellen D.
76-003806
Keve, A.
76-003807
Keve, Andras
76-003381
Kidner, H. J.
76-003702
Killingbeck, Keith T.
76-003043
Kilpatrick, C. William
76-003118
76-003150
Kinahan, John
76-003606
King. J. R.
76-003413
Kinnear, A.
76-002972
Kinter, William B.
76-003495
Kirby, Ronald E.
76-003604
Kirkland, Gordon L., Jr.
76-003119
76-003175
Kirkpatrick, Charles M.
76-003211
76-003231
Kirkpatrick, R. L.
76-002945
76-002946
76-002951
76-003021
76-003059
76-003120
76-003212
76-003213
76-003222
76-003229
76-003230
76-003232
76-003233
Kirkpatrick, Roy L.
76-002952
Kirksey, Elizabeth R.
76-003121
Kirven, Monte Neil
76-003703
Kitzmiller, Nancy J.
76-003519
Kivett, V. Keith
76-003044
Klaas, Erwin E.
76-003489
Kleymann, M.
76-003271
Klimkiewicz, M. Kathleen
76-003352
Klonowski, Thomas J.
76-003602
Kneitz, G.
76-002955
Knight, C. P.
76-003966
Knights, P.
76-002950
Knoll, J.
76-003140

Knupp, D. M.
76-003490
Ko, Ronald C.
76-003073
Kobayashi, Hikio
76-003901
Kocan, Richard M.
76-003508
76-003578
Koch, N.
76-003272
76-003382
Kohn, Stanley C.
76-003151
Koivusaari, J.
76-003821
Koivusaari, Juhani
76-003491
Kolaja, Gerald J.
76-003492
Kolb, Hans
76-002980
Kolenosky, George B.
76-003161
Konig, E.
76-002900
Konishi, Masakazu
76-003704
Kooistra, Thomas A.
76-003985
Koskela, Pentti
76-003122
Koss, G.
76-002941
Kossak, Simona
76-003273
Kotrla, Bozena
76-003274
Kotrly, Alois
76-003274
Kozakiewicz, Anna
76-003074
Kozakiewicz, Michal
76-003123
Kradel, D.
76-003236
Krapu, Gary L.
76-002865
76-003463
Krause, Walter
76-002942
Krausman, Paul Richard
76-003214
Krefting, Laurits W.
76-003275
Krog, J. O.
76-003276
Kruse, Arnold D.
76-002860
Kucera, Emil
76-003215
Kuhns, L. J.
76-003039
Kukila, Susan
76-003100
Kuntz, Robert E.
76-003505
Kunz, Thomas H.
76-002998
Kushlan, James A.
76-003623
Kuypers, Jos
76-003560
Ladurner, Herbert
76-003866
Lambiris, A. J. L.
76-003904
Lamont, Thair G.
76-002934
Lance, Valentine
76-003986
Landers, J. Larry
76-003579
Landolt, Marsha
76-003508
Lang, Kirsteen
76-003049
Lanning, Dirk V.
76-003171
Lara, Orangel
76-004010
Larsen, Douglas W.
76-003905
Larsen, Jorgen
76-003452
Larsen, Kenneth H.
76-003987
76-003988
76-004023
76-004024
Laub, Kenneth W.
76-002854
Laudenslayer, William F., Jr.
76-003383
Lauer, D. M.
76-003060
Lavigne, D. M.
76-003167
76-003189

Lay, Douglas M.
76-003326
Layne, James N.
76-003124
Lazaro, Luis
76-003000
Lear, Charles L.
76-003202
Lebret, T.
76-003421
76-003676
76-003677
Ledger, John
76-003705
76-003706
76-003716
Lee, Anthony K.
76-002968
Lee, Julian C.
76-003906
Legait, H.
76-002926
Leggett, William C.
76-003194
Lemmetyinen, Risto
76-003678
Lensing, J. E.
76-002911
Lenssen, J.
76-003320
Lent, Peter C.
76-003277
Lenvik, D.
76-003298
Leon, Juan R.
76-004010
Leppelsack, Hans Joachim
76-003745
Lepthien, Larry W.
76-003434
76-003737
76-003738
76-003774
76-003775
76-003808
LeResche, Robert E.
76-003278
Leuthold, Walter
76-003340
Lewis, Jessica H.
76-002981
Lewis, Thomas C.
76-002859
Licht, Lawrence E.
76-003907
Licht, Paul
76-003908
Licht, Paul.....continued
76-003944
Liedtke, M. Anne
76-002943
Ligon, Sandra Husar
76-003190
Lillywhite, Harvey B.
76-003867
Lim, Boo-Liat
76-003079
Lim, E. Poh-Chco
76-003079
Lindholm, Claes-Goran
76-003448
Lindner, Alwin
76-003279
Lindzey, Frederick G.
76-003165
76-003176
Lindzey, Frederick Grier
76-003166
Lipscomb, James F.
76-003261
Littlefield, Carroll D.
76-003513
Lloyd, Clare S.
76-003679
Lobao Tello, Jose L. P.
76-002923
Lochman, Josef
76-003280
Lock, J. W.
76-002875
Lock, Louis N.
76-003479
Locke, Louis N.
76-003480
76-003499
Lockner, F. Russell
76-003580
Lockyer, N. F.
76-003501
Lokemoen, John T.
76-003453
Lomholt, J. P.
76-003410
Long, Glenis B.
76-002999
Longden, Clive J.
76-003912
Loomis, Maurice
76-003470
76-003471
Loop, Michael S.
76-003989

Lord, Rexford D.
76-003000
Lotter, W. J.
76-003624
Louckova, M.
76-002879
Love, John A.
76-003680
Low, Jessop B.
76-003584
Lowery, George H., Jr.
76-003809
Luckenbach, Roger A.
76-003863
Ludke, J. Larry
76-003493
Luecke, R. H.
76-003195
Luick, J. R.
76-003281
76-003309
Luick, Jack R.
76-003245
76-003264
76-003306
Luniak, Maciej
76-003384
Lykke, Jon
76-003275
Lynch, Carol Becker
76-003075
Lynch, G. Robert
76-003075
Lynch, John D.
76-003909
76-003910
76-003937
Lyne, A. G.
76-002973
Macintyre, D. H.
76-003911
Maclean, G. L.
76-003422
Mader, William J.
76-003707
Magalhaes, P. A.
76-003169
Magnussen, Helgo
76-003955
Magoun, Audrey J.
76-003663
Main, A. R.
76-003846
Manis, Robert
76-003919
Manning, T. H.
76-003630
Manz, D.
76-002941
Marcellini, Dale L.
76-003990
Marshall P. J.
76-003322
Martin, A. A.
76-003740
Martin, J. E.
76-003708
76-003709
76-003710
Martin, R.
76-003708
76-003709
76-003710
Martin, R. L.
76-003002
Martin, Robert L.
76-002982
Martinez-Hica, Juan Pablo
76-003991
Martyny, J. W.
76-003282
Mason, C. F.
76-003810
Mason, I. J.
76-003832
Masterson, A. N. B.
76-003385
76-003621
Mathews, Earle D.
76-002847
Matschke, George H.
76-003216
Matthews, James W.
76-003170
Mauersberger, G.
76-003811
Maurer, F. W., Jr.
76-003002
Mautz, William W.
76-003217
Maxwell, Catherine S.
76-003047
Maxwell, George S. II
76-003746
Maynes, G. M.
76-002974
Mayrink, W.
76-003169
Mazdzer, Edward
76-003125

Mazur, Paul A.
76-003136
McCann, John A.
76-003078
McClanahan, Lon L., Jr.
76-003924
McClure, H. M.
76-003183
McClure, R. Lyn
76-003285
McCourt, K. H.
76-003269
McCrimmon, Donald Alan, Jr.
76-003625
McDonald, Harry S.
76-003980
McDonald, Jerry N.
76-003812
McDonough, W. T.
76-003126
McEldowny, L. E.
76-003039
McEwan, E. H.
76-003243
76-003303
76-003308
McFarland, William N.
76-004007
McGinnes, Burd S.
76-003205
McGinnis, C. H., Jr.
76-003532
McKean, J. L.
76-003548
McKenzie, R. A.
76-003992
McKinnon, J. Glynn
76-002944
McLaren, Margaret A.
76-003813
McLaughlin, J. Daniel
76-003626
McLean, D. M.
76-002958
M'Closkey, Robert T.
76-003127
McMillan, Joseph P.
76-003814
McMillen, R. E.
76-003781
McNease, Larry
76-003571
76-003993
McNeil, Raymond
76-003610
McVaugh, William, Jr.
76-003627
Mead, C. J.
76-002902
76-003411
Means, D. Bruce
76-003912
Medem, Federico
76-003994
Medica, Philip A.
76-003995
76-003996
Medway, David G.
76-003386
Mees, G. F.
76-003387
Meeth, P.
76-003818
Mehrer, Clifford F.
76-003177
Melicharova, Aleska
76-003280
Melo, M. N.
76-003169
Meloan, C. E.
76-002943
Menaker, Michael
76-003814
Menzdorf, Arne
76-003537
Merson, M. H.
76-002945
76-002946
76-003120
Meshcheryakova, I. S.
76-003029
Meslow, E. Charles
76-003165
Messelt, Edvard B.
76-003065
Meyers, Roy S.
76-003913
Michael, E. D.
76-003226
Michael, Edwin D.
76-002889
Michener, Gail R.
76-003076
Mierau, Gary W.
76-002947
Migaki, G.
76-003192
Miles, Michael A.
76-002912
Millbrandt, A. C.
76-002845
Miller, D. R.
76-003243

Miller, D. R.....continued
76-003283
Miller, David B.
76-003581
Miller, David S.
76-003495
Miller, Donald R.
76-003284
Miller, F. L.
76-003243
Miller, Frank L.
76-003285
Miller, G. R.
76-002899
Miller, Keith
76-003191
Miller, M. A.
76-002958
Milligan, L. P.
76-003303
Milschunas, D. G.
76-002903
Milsom, N. F.
76-003515
Milstein, P. le S.
76-003582
76-003600
76-003628
76-003650
Milstein, Peter le S.
76-003815
Mirarchi, R. E.
76-003551
Mirsky, Edward N.
76-003423
Miskimen, Mildred
76-003747
Mitchell, Lyndon A.
76-003952
Mitchell, Richard M.
76-002920
Miyazaki, Ichiro
76-003323
Mock, Douglas W.
76-003629
Modha, Kishor L.
76-003324
Moeller, J.
76-003015
Moffat, Anne J. M.
76-003881
76-003914
Mollhoff, Wayne J.
76-003711
Molt, P.
76-003045
Montevecchi, William A.
76-003514
76-003748
Moon, Thomas W.
76-002988
76-003001
Moore, Robert Guy
76-003997
Morafka, David J.
76-003915
Morales, Gustavo A.
76-003107
Morejohn, G. Victor
76-003182
Morgan, Michael
76-003069
Morgan, Patrick H.
76-003579
Morgan, Raymond P. II
76-003583
Morhardt, J. Emil
76-003045
Morow, Krzysztof
76-003286
Morris, P. T.
76-003712
76-003713
Morris, Ralph D.
76-003482
76-003511
Morris, Rosemary
76-003414
Morrison, Peter
76-003191
Morrison, R. I. G.
76-003630
76-003631
Morton, Eugene S.
76-003816
Morton, Martin L.
76-003040
76-003046
76-003047
76-003048
76-003408
Moskat, Csaba
76-003388
Moss, Robert
76-002899
Mostert, P. K. N.
76-002919
Mougin, J. L.
76-002908
Moulton, Daniel W.
76-003584

AUTHOR INDEX

Moussa, Mahmoud I.
76-003661
Mrosovsky, N.
76-003049
Mudge, G. P.
76-003376
Mueller, Helmut C.
76-003424
Mueller, Nancy S.
76-003424
Mulhern, Bernard M.
76-003499
Muller, Robert E.
76-003817
Muller-Wille, Ludger
76-003287
Mundy, P. J.
76-003714
76-003715
76-003758
Mundy, Peter
76-003716
Muradali, Farouk
76-003000
Murie, Jan O.
76-003044
Murphy, Edward C.
76-003325
Murphy, James B.
76-003952
76-003998
Murray, Gale A.
76-003717
Murrish, David E.
76-002869
76-003580
Musacchia, X. J.
76-003057
Musquera, S.
76-003690
Myers, K.
76-003022
Myers, Mary Louise
76-003823
Nader, Iyad A.
76-002982
Nadler, Charles F.
76-003113
76-003317
76-003326
Nagy, Kenneth A.
76-003999
Nama, H. S.
76-003077
Neal, Charles M.
76-003050
Nel, J. A. J.
76-003106
Nellis, Carl H.
76-003218
Nelson, Craig E.
76-003877
76-003878
Nelson, J. Bryan
76-003681
Nelsson, Leif
76-003585
Nesbitt, Stephen A.
76-003632
Nettles, V. F.
76-002957
Neuweiler, G.
76-003015
Newlin, Michael E.
76-004000
Niaussat, Marie-Madeleine
76-003085
Nichols, Robert G.
76-003219
Nickell, Allan K.
76-002846
Nickerson, Max A.
76-003976
76-004001
Nilsson, A.
76-003087
Nilsson, Edvin
76-002964
Nilsson, Ingvar
76-003425
Nilsson, Leif
76-003561
Nilsson, Sven
76-003425
Nisbet, I. C. T.
76-003682
Nocilly, Jean M.
76-003746
Noe, Linda A.
76-003583
Nolan, Val, Jr.
76-003806
Nordan, H. C.
76-003234
76-003235
Nordkvist, Magnus
76-003288
Nordstrom, S.
76-003087
Nores, Manuel
76-003546

AUTHOR INDEX

Norman, Richard F.
76-003753
Norton, David W.
76-003389
Norwood, Earl D.
76-003556
Nottebohm, Fernando
76-003412
76-003426
76-003856
Nottebohm, Marta E.
76-003426
Nowosad, R. F.
76-003289
Nussbaum, Ronald A.
76-003916
76-004002
Nuuja, I.
76-003821
Nuuja, Ismo
76-003491
Oakley, Bruce
76-003115
Odom, Ron H.
76-003494
Oelke, Hans
76-003390
76-003440
O'Farrell, M. J.
76-002997
76-003012
O'Farrell, Michael J.
76-003014
Office of Communications, U.S. Department of the Interior
76-003552
Olsen, Marvin E.
76-002849
Olson, Storrs L.
76-003718
Olsson, M.
76-002939
O'Neill, John P.
76-003719
Oreel, G. J.
76-003818
Orenstein, Ronald
76-003396
Orihel, Thomas C.
76-003107
Oritsland, N. A.
76-003167
Orpen, J. L.
76-003315
Orr, Norman
76-003819
O'Shea, Thomas J.
76-003051
Osieck, Eduard R.
76-003454
76-003820
Osterhoff, D. R.
76-003582
Osuga, David T.
76-003666
Ouweneel, G. L.
76-003676
Owen, Patty J.
76-002876
Owen, R. B., Jr.
76-003490
Owens, David William
76-004003
Owens, N. W.
76-003341
Owings, Donald H.
76-003052
Pack, James C.
76-003178
Paganelli, C. V.
76-003682
Pagels, John F.
76-003121
Palacios, L.
76-003690
Palmateer, Steve D.
76-003078
Palmer, T. T.
76-003503
Palmisano, A. W.
76-003559
Palmisano, John Francis
76-003179
Palokangas, R.
76-003821
Palokangas, Risto
76-003491
Palomeque, J.
76-003690
Pank, Larry F.
76-003427
Papi, F.
76-003543
Parfitt, Bruce D.
76-003633
Parihar, Aruna
76-003077
Parker, B. S.
76-003022
Parker, G. R.
76-003243

Parker, Theodore A. III
76-003391
Parker, William S.
76-003945
76-004004
76-004005
Parmer, Robert J.
76-003046
Parnell, G. W.
76-003822
Parry, D. F.
76-003315
Parslow, J. L. F.
76-003487
76-003673
Parsons, L. M.
76-003128
Pass, Aaron
76-002896
Paton, David C.
76-003793
Patti, Sebastian T.
76-003823
Peakall, David B.
76-003495
76-003496
Pearce, P. A.
76-003497
Peden, Donald G.
76-003327
Pedrocchi Renault, Cesar
76-003344
Pefaur, Jaime E.
76-003129
Pegau, R. E.
76-003290
Pegau, Robert E.
76-003248
Pelton, Michael R.
76-003219
Pembleton, Edward F.
76-002916
Pengelley, E. T.
76-003053
76-003054
Penry, E. H.
76-003392
Peoples, Tommie E.
76-003541
Perry, Steven F.
76-003955
Person, Steven J.
76-003306
Person, Steven John
76-003291
Peterman, B.
76-003243
Petersen, Finn Dalberg
76-003455
Peterson, B. V.
76-003002
Peterson, James E.
76-003499
Peterson, Steven R.
76-003498
Pittendrigh, Colin S.
76-003103
Petter, R.
76-003028
Pettersson, Ake
76-003720
Philibosian, Richard
76-003868
Phillips, Carleton J.
76-003003
Pianka, Eric R.
76-004004
Pierson, Thomas A.
76-003553
Piiper, Johannes
76-003955
Pimlott, Douglas H.
76-003161
Pinger, Robert R.
76-002959
Pinkowski, Benedict C.
76-003428
Pipes, Karl T.
76-003749
Pisani, George R.
76-003869
76-003870
Pisani, George R.
76-003865
Pittendrigh, Colin S.
76-003104
76-003130
76-003131
76-003132
Pitts, S. Martel
76-003578
Pivorun, Edward B.
76-003055
76-003056
Plant, C. W.
76-003824
Platner, W. S.
76-003057
Platt, Joseph B.
76-003721
Platt, William J.
76-002983

Poche, Richard M.
76-003004
76-003005
Pollard, Christine
76-003086
Pond, Caroline M.
76-003855
Poole, W. E.
76-002975
Popovich, T. V.
76-003155
Porter, Richard H.
76-003133
Post, G.
76-003025
Post, William
76-003750
Potvin, Claude L.
76-003066
Pough, F. Harvey
76-004006
76-004007
Pounder, Bede
76-003586
Power, Dennis M.
76-003825
Powers, Arnold L.
76-004008
Prange, Henry D.
76-003977
76-004009
Prater, A. J.
76-003634
Prather, E. Charlton
76-002944
Prato, C. M.
76-002961
Prentice, Carol A.
76-003218
Prestwood, Annie K.
76-003220
Prevett, J. P.
76-003566
76-003635
Price, E. O.
76-003072
Price, I. M.
76-003497
Price, Manning A.
76-003172
Prieto, Antulio S.
76-004010
Prince, Harold H.
76-003465
Prine, Jerry E.
76-003903
Prouty, Richard M.
76-003499
Prytherch, Robin
76-003697
Purchase, D.
76-003636
Purdue, James R.
76-003637
Purroy, Francisco Jose
76-003393
Pursglove, Samuel R.
76-003220
Pursglove, Samuel R., Jr.
76-003221
Pyburn, William R.
76-003878
Pyle, William L.
76-002897
Raab, A.
76-002984
Rabol, Jorgen
76-003826
Raczynski, Jan
76-003733
Radcliffe, Charles W.
76-003954
Rahn, H.
76-003682
Raines, James Allen
76-002862
Raiss, Ruth
76-003827
Rajska-Jurgiel, Ewa
76-003134
Ramsden, R. O.
76-002962
Randik, Aladar K.
76-003353
76-003441
Randle, Henry
76-003030
Ranford, R. Barry
76-003554
Rashek, V. A.
76-003328
Ratcliff, D. A.
76-003638
Rautenberg, W.
76-003555
Rawlinson, P. A.
76-004011
Read, Robert H.
76-002856
Ream, Catherine H.
76-003500

Rechtschaffen, A.
76-003966
Reed, R. E.
76-003192
Reid, R. L.
76-003226
Reidinger, Russell F., Jr.
76-002948
Reimers, Eigil
76-003292

Remeeus, A.
76-003828
Remsen, J. V., Jr.
76-003829
Reybold, William U. III
76-002847
Reynolds, L. M.
76-003497
Reynolds, Lincoln M.
76-003496
Richards, Peter R.
76-003751
76-003752
Richardson, B. J.
76-002976
Richardson, William John
76-003456
Richins, Gary H.
76-003135
Richmond, Davie L.
76-002848
Rickard, W. H.
76-002917
Riedesel, M. L.
76-003006
Riess, Wulf
76-003734
Riley, J.
76-003654
76-003655
Rintamaa, David L.
76-003136
Risebrough, Robert W.
76-003469
Risser, Arthur C., Jr.
76-003089
Ritter, Arthur F.
76-002895
Robbins, Chandler S.
76-003352
76-003354
76-003394

Robbins, Mark
76-003391
Roberts, Ethan Fred
76-003058
Roberts, Jane C.
76-003137
Robertson, Douglas R.
76-003917
Robertson, Paul Buford
76-003031
Robertson, Raleigh J.
76-003753
Robinson, D. E.
76-003413
Robinson, Gerald D.
76-003960
76-004012
Robinson, K. M.
76-002877
Robinson, R. M.
76-003200
Rodebrand, Staffan
76-003457
Rodregues de Almeida, C.
76-003028
Rogers, Mitch
76-003224
Roig, Virgilio G.
76-003102
Romspert, Alan P.
76-003918
Ronald, K.
76-003189
Rose, Barbara R.
76-004013
Rose, Francis L.
76-003871
Rosen, Ron
76-003919
Rosenmann, Mario
76-003191
Ross, G. J. B.
76-003185
Rossman, Douglas A.
76-004014
Roth, Edward L.
76-003138
Roth, Roland R.
76-003442
Rothenbacher, H.
76-003236
Rothstein, Stephen I.
76-003429
Roux, T. F.
76-002911

AUTHOR INDEX

Rowe, Edward A.
76-002910
Rowley, Mildred Helen
76-003139
Rowley, Wayne A.
76-002959
Royall, W. C., Jr.
76-003754
Royet, Jean-Pierre
76-003084
Ruben, John A.
76-004015
Ruben, John Alex
76-004016
Ruckel, S. W.
76-003059
Rudebeck, Gustaf
76-003378
Ruffner, George A.
76-003005
Ruiz-Carranza, Pedro M.
76-003920
76-003921
Rundgren, S.
76-003087
Ruprecht, Andrzej L.
76-003733
Ruskin, Joel
76-003202
Russell, Donald E.
76-003306
Russell, M. D.
76-003222
Saeijs, H. L. F.
76-003605
Sagara, Naohiko
76-002913
Salo, Leo J.
76-003293
Sammalisto, Lasse
76-003443
Samson, Fred B.
76-003830
Santiago Laguna, D.
76-002931
Sargeant, Alan B.
76-002860
Sarokon, J. A.
76-004038
Sarrella, Particia
76-003414
Saucier, Diane
76-003084
Sawhill, Gary S.
76-003223
Saxena, S. C.
76-002949
Sayer, J. A.
76-003322
Scanlon, P. f.
76-002957
76-003059
76-003213
76-003222
76-003227
76-003229
76-003230
76-003232
76-003233
76-003551
76-003761
Scanlon, Patrick F.
76-003553
Scelza, J.
76-003140
Schaefer, N.
76-004017
Schafer, E. W., Jr.
76-003501
Scharringa, C. J. G.
76-003639
Schemnitz, Sanford D.
76-002901
Schifferli, Alfred
76-003355
Schleifenbaum, Christine
76-003154
Schmid, William D.
76-002927
Schmidt, Egon
76-002921
76-003831
Schmidt, Gerald D.
76-003505
Schmidt, Ingrid
76-003555
Schnitzler, H.-U.
76-003007
Schnitzler, Hans-Ulrich
76-002999
Schodde, R.
76-003832
Schofield, Edmund
76-003294
Schubert, Renate
76-003196
Schueler, Frederick W.
76-004018
Schuller, Gerd
76-003008
76-003009
Schum, Gregory Michael
76-003010

Schwartz, Albert
76-003922
Schwartz, Orlando A.
76-003141
Scott, D. M.
76-003857
Scott, Norman J., Jr.
76-003872
Scotter, G. W.
76-003243
Scudder, Kent
76-003954
Sebek, Z.
76-002960
Segal, A. An.
76-003155
Segelquist, Charles
76-003224
Self, Charles A.
76-003225
Sellar, P. J.
76-003668
Semenov-Tian-Shanskii, O. I.
76-003295
Semken, Holmes A.
76-002979
Seniow, Adam
76-004019
Sepik, Greg F.
76-002889
Serrano Caballero, J. M.
76-002931
Sesulkova, Eva
76-003280
Sever, David M.
76-003923
Seymour, Norman R.
76-003591
Seymour, Roger S.
76-004020
Shalaeva, N. M.
76-003296
Shanklin, M. D.
76-003195
Sharman, G. A. M.
76-003238
Sharman, G. B.
76-002976
Sharrock, John Timothy Robin
76-003356
Shave, H. J.
76-003473
Shearer, Robert I.
76-003746
Sheldrick, M. C.
76-003193
Shepard, Julia M.
76-003640
Sheppe, Walter
76-002922
Sherbrooke, Wade C.
76-003142
Shield, J. W.
76-002972
Shoemaker, Vaughan H.
76-003924
Shoubridge, Eric A.
76-003194
Sicart, Rene
76-002978
Sidorowicz, J. A.
76-003321
Siegfried, W. R.
76-003587
76-003613
76-003780
Siegfried, W. Roy
76-003588
76-003606
Siivonen, L.
76-003297
Sileo, L.
76-003483
Silver, H.
76-003209
Silver, Helenette
76-003217
Silverman, Martin S.
76-003041
Simig, Lajos
76-003395
Simmons, J. A.
76-003007
Simon, Carol A.
76-004021
Simonsen, Torben
76-003452
Simpson, John W.
76-003946
Sinclair, J. C.
76-003683
Singh, Mulkit
76-003079
Sinha, Shyamal K.
76-003038
Sivak, J. G.
76-003684
Sixl, W.
76-002960

Skjenneberg, S.
76-003268
76-003298
Skogland, Terge
76-003306
Skogland, Terje
76-003299
Slobodyan, A. A.
76-003168
Smith, A. W.
76-002961
Smith, Dwight G.
76-003755
Smith, H.
76-003012
Smith, H. Duane
76-003135
Smith, Hobart M.
76-003954
76-003956
76-004022
76-004023
76-004024
76-004036
Smith, Jackson K.
76-003756
Smith, James N. M.
76-003833
Smith, Michael H.
76-003013
Smith, Nathan M.
76-004025
Smith, Neal Griffith
76-003430
Smith, Ronald H.
76-003545
Smith, Thomas G.
76-002966
76-003187
Smithers, Reay H. N.
76-002923
Smuts, G. L.
76-003329
76-003330
Snow, Barbara
76-003641
Snow, David
76-003641
Snyder, Gregory K.
76-004026
76-004027
Soholt, Lars F.
76-003143
Solly, S. R. B.
76-002875
Solomon, M. E.
76-003515
Sondell, Jan
76-003757
Sonenshine, D. E.
76-003060
Soucek, Brankc
76-003842
South, Frank E.
76-003195
Speirs, J. Murray
76-003396
Spencer, K. G.
76-003834
Spencer, Lesley
76-003086
Spieker, John O.
76-003023
Spiess, Arthur
76-002914
Spittler, H.
76-003156
Spratt, E. E.
76-002958
Sprules, W. Gary
76-003930
Spurrier, Wilma A.
76-003061
Stabler, Robert M.
76-003519
Stamps, Judy A.
76-004028
Stardom, Richard R. P.
76-003300
States, James B.
76-003062
Staton, Mark A.
76-003888
Stebbins, L. L.
76-003144
Steen, David A.
76-003420
Steffen, D. G.
76-003057
Steinberg, Barry
76-003003
Steiner, Andre L.
76-003044
Stephan, H.
76-002926
Stephens, Tanya
76-002967
Sterbetz, Istvan
76-003397
76-003601
76-003642
Stetson, Milton H.
76-003814

Stewart, Paul A.
76-003431
Stinson, Christopher H.
76-003722
Stokes, A.
76-003374
Stone, Robert Clark
76-002855
Storer, Robert W.
76-003606
Stormer, Fred A.
76-003211
Storz, H.
76-002984
Stott, Laural H.
76-002849
Stout, Gene G.
76-002890
Stout, I. Jack
76-003562
Straney, D. O.
76-003012
Straney, Donald O.
76-003013
Stromberg, Gunnar
76-003378
Stuart, C. T.
76-003157
Studier, Eugene H.
76-003014
Stutterheim, C. J.
76-003758
Suga, N.
76-003007
76-003015
Suga, Nobuo
76-003008
76-003009
Sugden, Lawson G.
76-003589
Sulkava, Seppo
76-003301
Sullivan, Charles D.
76-003923
Super, Stuart J.
76-003342
Svendsen, Gerald E.
76-003034
Svensson, Lars
76-003378
Svensson, Soren
76-003357
76-003444
76-003643
Sweatman, Hugh P. A.
76-003833
Swenson, B.
76-003145
Swineford, Douglas M.
76-003489
Szabo, Laszlo Vilmos
76-003644
76-003835
Szczepski, Jan Boguslaw
76-003458
Szombath, Z.
76-003675
Talbot, J. M.
76-003392
Talbot, James John
76-004029
Tallman, Dan A.
76-003809
Tanner, Charles
76-003982
Tanner, Wilmer W.
76-003963
76-003987
76-003988
Tarboton, Warwick
76-003622
76-003723
Teels, Billy M.
76-003556
Tekke, M. J.
76-003653
Temilova, Bozena
76-003534
Tempel, George
76-003057
Temple, Barbara L.
76-003445
Temple, Stanley A.
76-003445
Templeton, M. T.
76-003836
Terman, C. R.
76-003128
76-003145
Terman, C. Richard
76-003146
Teska, William R.
76-004030
Test, Frederick H.
76-003925
Theberge, John B.
76-003398
Theroff, Ed
76-003801
Thiessen, Gerold L.
76-003218

Thoen, C. O.
76-003590
Thomas, Robert A.
76-003958
Thomas, V. G.
76-003538
Thomas, Vernon George
76-003415
Thompson, Bruce C.
76-003158
Thompson, D. C.
76-003539
Thompson, R. C. A.
76-003159
Thompson, Richard L.
76-003858
Thompson, William L.
76-003837
Thomson, Brian R.
76-003302
76-003306
Thomson, W. R.
76-003724
Threlfall, William
76-003616
Thurber, Walter A.
76-003459
Tickell, W. L. N.
76-003685
Tinkle, Donald W.
76-002864
76-004031
Tipton, Alan R.
76-003100
Titman, Rodger D.
76-003591
Tizard, I. R.
76-002962
Todd, A. C.
76-003204
Todt, Dietmar
76-003838
Toews, D. P.
76-003911
Tollefson, David
76-003036
Tomas, J. A.
76-003039
Tomback, Diana F.
76-003759
Tomialojc, Ludwik
76-003346
76-003399
76-003446
Torre-Bueno, Jose
76-003760
Torres-Barreto, Alvaro
76-003725
Towell, Dale E.
76-003172
Towell, Dale Everett
76-003173
Towry, R. K., Jr.
76-003226
Tracy, C. Richard
76-003926
Trauger, David L.
76-003592
Tree, A. J.
76-003400
76-003645
76-003646
Troetschler, Ruth G.
76-003859
Trotter, John A.
76-003979
Trotter, Mary W.
76-003979
Trotter, Thomas H.
76-003979
Trout, J. Richard
76-003017
Tuer, J.
76-003726
Tuer, V.
76-003726
Tuer, Vic
76-003727
Turek, Fred W.
76-003839
Turkowski, Frank J.
76-003147
Turney, L. Douglas
76-003897
Tuttle, Merlin D.
76-003016
Twigg, G. I.
76-002963
Ulrich, Jeffrey F.
76-004037
Umber, Rex W.
76-002905
Underwood, C.
76-003334
Underwood, Herbert
76-004032
Underwood, Herbert A.
76-003814
Underwood, Larry S.
76-003160
Unger, Uno
76-003378

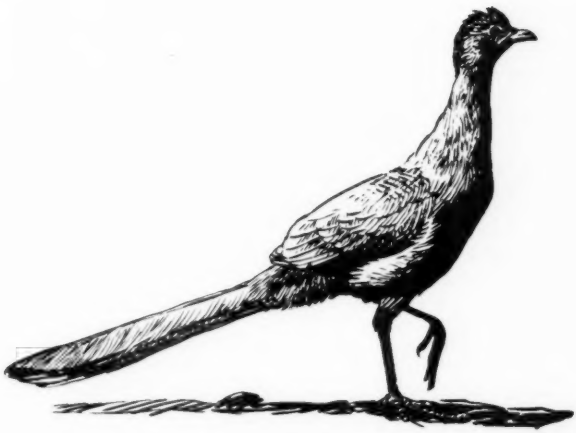
Urban, W. E., Jr.
76-003209
Urban, Willard E., Jr.
76-003217
Urbston, D. F.
76-003227
Urbston, David F.
76-003208
Urbston, David Frank
76-003228
Uyeda, Daisy A.
76-003202
Vain-Rib, M. A.
76-003155
Valkenburg, Patrick
76-003663
Valova, M.
76-002960
Van De Graaff, Kent Marshall
76-003148
Van der Merwe, F. J.
76-003587
Van Devender, Thomas B.
76-003972
Van Hoven, W.
76-003333
Van Riper, Charles III
76-003840
76-003841
Van Tets, G. F.
76-003686
Van Velzen, Willet T.
76-003354
Vande Vusse, Frederick J.
76-003927
Vasconcellos Neto, Joao
76-003509
Vaughan, P. J.
76-003099
Vaughan, T. C.
76-003099
Vehrencamp, Sandra Lee
76-003860
Veitch, C. B.
76-003687
Vencl, Fredric
76-003842
Vericad, J.-B.
76-003184
Verner, Jared
76-003843
Vernon, Carl
76-003647
Vessey, Stephen H.
76-003136
Villa, Jaime
76-003869
Villeda, C. Amanda
76-003459
Vincent, Tom Keith
76-004033
Viro, Pirkko
76-003122
Vithayasai, Chitra
76-003285
Vitt, Laurie Joseph
76-004034
Vlug, J. J.
76-003607
Vogelsang, B. W.
76-003213
76-003222
76-003229
76-003230
Vogt, Monika
76-003745
Voigt, Dennis B.
76-003161
Voigt, William G.
76-004035
Von Ketelhodt, H. F.
76-003331
Waardenburg, P. A.
76-003728
Waddick, James W.
76-004036
Wade, Charles E.
76-003047
Waechter, Antoine
76-003199
Wahlstedt, Jens
76-003729
Wake, David B.
76-003873
Wal, Reinder J. van der
76-003563
Wales, B. A.
76-003303
Walker, B. L.
76-003186
Wallace, L. D.
76-003532
Wallace, Margaret E.
76-002950
Wallis, Robert L.
76-002977
Wallner, H.
76-002960
Walters, C. J.
76-003243

Walters, S. M.
76-002852
Wang, L. C.-H.
76-003042
Ward, F. Prescott
76-004037
Ward, James G.
76-003694
Warren, H. B.
76-003315
Warren, R. J.
76-002945
76-002951
76-003213
76-003222
76-003229
Warren, Robert J.
76-002952
Watkins, Ross K.
76-003147
Watmough, B. R.
76-003411
Watson, D. F.
76-003338
Watson, G.
76-002870
76-002925
Watson, Gillian
76-003950
Weathers, Wesley W.
76-003928
76-003929
76-004026
Weaving, A. J. S.
76-003385
Webb & Athey, Inc.
76-002891
Webb, G. J. W.
76-003982
Webb, Lloyd G.
76-003540
Webster, Lois E.
76-003619
Weeks, Harmon P., Jr.
76-003211
76-003231
Weissmuller, Josef
76-002942
Welborn, M. E.
76-003476
Weller, Wayne F.
76-003930
Wells, Kentwood D.
76-003931
76-003932
Wells, Kentwood David
76-003933
Wells, M. R.
76-002877
Wells, Marion B.
76-002876
76-002878
Wells, Roger A.
76-003932
Wempe, J. M.
76-003332
Weske, John S.
76-003844
76-003845
Wesolowski, Tomasz
76-003401
Wesson, J. A. III
76-003232
76-003233
76-003761
West, Nels O.
76-003234
76-003235
Westerling, Bengt
76-003304
Westerskov, K. E.
76-003402
Whicker, F. Ward
76-003261
White, C. M. N.
76-003460
White, Charley M.
76-003211
White, L. D.
76-002903
White, R. G.
76-003245
76-003281
76-003305
White, Robert G.
76-003306
Whitford, Walter G.
76-003886
76-003934
Whitmore, Robert Craig, Jr.
76-003403
Whitney, Paul H.
76-003092
Whitson, Martha
76-003861
Whitten, B. K.
76-003037
Whitten, Kenneth R.
76-003325
Whittow, G. C.
76-003181
76-003682

AUTHOR INDEX

Wieser, Wolfgang
76-003866
Wika, M.
76-003276
Wilbur, Sanford B.
76-003730
Wiley, James W.
76-003750
Wilkinson, R. C.
76-003333
Willard, David Ela
76-003648
Willems, Norman J.
76-003063
76-003064
Willemse, G. T.
76-003973
Williams, B. A.
76-003006
Williams, C. K.
76-003846
Williams, Joseph D.
76-003486
Williams, Lovett E., Jr.
76-003541
76-003632
Williams, Timothy C.
76-003602
Williamson, Gerald K.
76-003874
Williamson, Kenneth
76-002902
76-003404
76-003433
Wilson, David Sloan
76-002863
Wilson, Don E.
76-002936
Wilson, Gordon E.
76-003649
Wilson, H. R.
76-003477
Wilson, Richard Everett
76-003935
Wiltschko, Roswitha
76-003461
Wiltschko, Wolfgang
76-003461
Windberg, Lamar A.
76-003024
Windell, J. T.
76-004038
Windsor, Donald M.
76-003516
Winkel, Robert
76-003223
Wintle, Colin C.
76-003862
Withers, Philip C.
76-003149
Witherspoon, Frank G., Jr.
76-002878
Wobeser, G.
76-002953
Wolfe, T. O.
76-003547
Wolff, S. W.
76-003650
Wolfram, Edmund M.
76-003734
Wolk, Krzysztof
76-003405
Wollkind, David J.
76-002884
Wong, Yau W.
76-002959
Wood, Gene W.
76-003201
Wood, Ronald M.
76-003202
Wood, Stephen L.
76-003762
Woodall, Peter
76-003557
76-003564
Woodard, J. C.
76-003183
Wood-Gush, D. G. M.
76-003575
Woodruff, David S.
76-003936
Woods, Charles A.
76-002985
Woodward, Joan C.
76-003432
Woodward, Lowell,
76-002850
Woodward, Paul W.
76-003688
Woolf, A.
76-003236
Woolfenden, Glen E.
76-003763
Worley, David E.
76-003307
Worman, J. J.
76-003473
Worster, John B.
76-002851
Wright, John W.
76-003067

Wyatt, John
76-002930
Yalden, D. W.
76-002986
Yancey, Richard K.
76-003571
Yap, Eu-Hian
76-003079
Yeatman, Laurent
76-003358
Yntema, John A.
76-003868
Yokoyama, Katsuhiko
76-003847
Yoshida, Yukio
76-003162
Young, B. A.
76-003308
Young, C. M.
76-003731
Yousef, M. K.
76-003094
76-003309
Yuill, Thomas M.
76-003023
76-003038
Yunick, Robert P.
76-003848
Zach, R.
76-003849
Zach, Reto
76-003796
Zajac, Ryszard
76-003406
Zann, Richard A.
76-003850
Zatzman, M. L.
76-003195
Zegers, P. M.
76-003609
Zhordania, R. G.
76-003407
Zimmerman, Dale A.
76-003732
Zimmerman, E. G.
76-003118
Zimmerman, Earl G.
76-003150
76-003756
Zitko, V.
76-003502
Zomerdijk, P. J.
76-003593
Zottoli, Steven J.
76-003764
Zug, George R.
76-003880



Africa
76-002883
76-003333
76-003706
Africa, Central
76-003417
Africa, Eastern
76-003365
Africa, Northwestern
76-003670
Africa, Southeastern
76-002881
76-002882
76-003950
Africa, Southern
76-002929
76-003715
Alabama
76-002890
76-003016
Alaska
76-003179
76-003240
76-003242
76-003249
76-003250
76-003261
76-003262
76-003264
76-003278
76-003290
76-003291
76-003325
76-003527
76-003528
76-003573
Alaska, Northeastern
76-003663
Alaska: Prudhoe Bay
76-003109
76-003160
76-003306
76-003389
Antarctica
76-003188
76-003685
Argentina
76-003000
76-003101
76-003102
76-003546
Arizona
76-002948
76-003091
76-003142
Arizona.....Continued
76-003348
76-003383
76-003416
76-003545
76-003972
76-004021
Arizona: Cochise County
76-002848
76-004000
Arizona: Graham County
76-002848
Arizona: Sonoran Desert
76-003148
Arizona, Southeastern
76-003171
76-003951
Arizona, Southern
76-003707
Arkansas
76-002887
76-003224
76-003919
Arkansas, Northwestern
76-003900
Asia
76-003402
Atlantic Ocean
76-003456
Australia
76-002971
76-002973
76-002976
76-003402
76-003548
76-003549
76-003570
76-003672
76-003686
76-003740
76-003798
76-003807
76-003846
76-003850
76-003936
76-003992
76-004011
Australia: Kangaroo Island
76-002975
Australia: New South Wales
76-002970
76-003022
76-003374
76-003422
76-003771

Australia: Northern Territory
76-003312
76-003832
Australia: Queensland
76-003190
76-003852
Australia: South Australia
76-003793
Australia: Victoria
76-002968
76-003712
Austria
76-002960
Belize
76-003906
76-003978
Birds--Behavior - Breeding
76-003681
Birds--General - Predation
76-002882
Bolivia
76-003719
Botswana
76-002922
Brazil
76-003000
76-003028
76-003169
76-003509
76-003542
Bulgaria
76-003518
76-003536
California
76-003035
76-003047
76-003048
76-003052
76-003053
76-003090
76-003093
76-003108
76-003314
76-003691
76-003730
76-003759
76-003825
76-003859
76-003863
76-003915
76-003967
76-003979
76-003997
76-004013
76-004015
California: Mono County
76-003046
California: Nevada County
76-003468
California, Northwestern
76-003282
California: Sierra Nevada Mountains
76-003785
California, Southern
76-003127
Canada
76-002966
76-003044
76-003278
76-003285
76-003289
76-003437
76-003438
76-003456
76-003588
Canada: Alberta
76-003024
76-003082
76-003144
76-003481
76-003523
Canada: Arctic
76-002965
Canada: British Columbia
76-003259
76-003857
76-003953
Canada, Eastern
76-003497
Canada: Hudson Bay
76-003498
Canada: Manitoba
76-003215
76-003247
76-003284
76-003300
76-003520
76-003562
76-003567
76-003591
76-003592
76-004033
Canada: Newfoundland
76-003616
Canada: Northwest Territories
76-003164
Canada: Northwest Territories
76-003187
76-003266
76-003594

Canada: Northwest Territories..continued
76-003631
Canada: Nova Scotia
76-002987
Canada: Ontario
76-002907
76-002962
76-002987
76-003161
76-003198
76-003370
76-003396
76-003511
76-003554
76-003565
76-003566
76-003608
76-003630
76-003731
76-003753
76-003779
76-003791
76-003813
76-003907
76-003930
76-004018
Canada: Quebec
76-002906
76-003066
76-003270
76-003610
Canada: Saskatchewan
76-002953
76-003283
76-003589
Canada: Yukon
76-002958
76-003269
76-003398
76-003635
Canada: Ontario
76-003367
Caribbean Area
76-003097
76-003959
Chile
76-003110
Colombia
76-003107
76-003335
76-003504
76-003725
76-003736
76-003829
76-003910
76-003920
Colombia.....Continued
76-003921
76-003984
76-003994
Colorado
76-002947
76-003034
76-003327
76-003519
76-003544
Colorado: Gunnison County
76-003032
Colorado: Larimer County
76-003025
Costa Rica
76-003516
76-003794
76-003833
76-003853
76-003860
76-004029
76-004030
Crozet Archipelago
76-002908
Cuba
76-003611
Czechoslovakia
76-002873
76-002993
76-003274
76-003280
76-003353
76-003441
76-003534
Delaware
76-003442
Denmark
76-003349
76-003351
76-003364
76-003439
76-003452
76-003455
76-003484
Dominican Republic
76-003922
East Germany
76-003783
Ecuador
76-003910
76-003921
76-003937
76-003943
76-003958
El Salvador
76-003459

Enderbury Island
76-003688
England
76-002902
76-002940
76-002963
76-002986
76-003515
76-003667
76-003824
76-003834
76-003895
Ethiopia
76-003503
Europe
76-002852
76-003826
Europe, Northern
76-003297
Europe, Western
76-003670
Finland
76-002939
76-003122
76-003196
76-003267
76-003293
76-003301
76-003304
76-003443
76-003491
76-003678
Florida
76-002905
76-002935
76-002944
76-003541
76-003623
76-003632
76-003674
76-003763
76-003787
76-004009
Florida: Brevard County
76-002844
Florida: Franklin County
76-003962
Florida: Gulf County
76-003962
Florida, Northern
76-002903
76-003912
Florida, Northwestern
76-003627
Florida, Southern
76-003689
France
76-002915
76-003199
76-003358
76-003377
76-003777
Georgia
76-002867
76-002885
76-002935
76-003494
76-003530
Georgia: McIntosh County
76-003221
Ghana
76-003076
Gibraltar
76-003334
Great Britain
76-003159
76-003356
76-003433
76-003496
76-003618
76-003634
76-003638
76-003751
76-003789
76-003810
Great Lakes
76-003482
Greenland
76-003376
Grenada
76-004028
Haiti
76-002985
76-003922
Hawaii
76-003658
76-003659
76-003781
76-003840
76-003841
Hungary
76-003381
76-003388
76-003395
76-003397
76-003601
76-003642
76-003644
76-003675
76-003769
76-003831

Hungary.....continued
76-003835
Iceland
76-003087
Idaho
76-002874
76-003153
76-003176
76-003218
76-003259
76-003470
76-003471
76-003620
Illinois
76-003442
India
76-003077
76-003313
76-003339
Indiana
76-003211
Indiana: Daviess County
76-003801
Indiana: Jennings County
76-002846
Indiana: Martin County
76-003231
Iowa, Central
76-002959
Iowa: Plymouth County
76-002851
Iraq
76-002982
Ireland
76-003356
Irish Sea
76-003656
Israel
76-002857
Italy
76-003543
Ivory Coast
76-003942
Japan
76-003162
76-003323
Kangaroo Island
76-003360
Kansas
76-002998
76-003823
76-003957
76-003964
Kenya
76-003051
76-003197
Kenya.....continued
76-003338
76-003340
Lake Michigan
76-003466
76-003498
Liberia
76-004014
Louisiana
76-003225
76-003559
76-003571
76-003993
76-003596
Maine, Northern
76-003490
Malawi
76-003392
Marion Island
76-003185
Maryland
76-003352
76-003394
76-003739
76-003844
76-004037
Maryland: Baltimore County
76-002847
Maryland: Montgomery County
76-003432
Massachusetts
76-003125
76-003371
76-003764
Mexico
76-002948
76-003031
76-003118
76-003138
76-003391
76-003423
76-003629
76-003633
76-003909
76-003956
76-003995
76-003996
76-004008
Michigan
76-003043
76-003428

Michigan.....continued
76-003429
76-003735
76-003925
Michigan: Isle Royal Natl. Park
76-003253
Minnesota
76-003521
76-003711
Minnesota: Kandiyohi County
76-003887
Minnesota, Northcentral
76-003604
Minnesota, Northern
76-003500
Minnesota: Pipestone County
76-002843
Mississippi
76-003556
Mississippi: Jefferson Davis County
76-002845
Mississippi: Madison County
76-003499
Missouri
76-003854
Nepal
76-002920
76-003770
Netherlands
76-003421
76-003454
76-003560
76-003563
76-003593
76-003595
76-003597
76-003605
76-003607
76-003609
76-003614
76-003639
76-003653
76-003677
76-003818
76-003820
76-003828
Nevada
76-003089
Nevada: Clark County
76-003143
Nevada, Southern
76-003012
New England
76-003805
New Jersey
76-003017
76-003223
76-003514
76-003648
76-003741
76-003748
76-003851
New Jersey: Island Beach
76-003449
New Mexico
76-002936
76-003517
76-003732
76-003861
76-003886
New Mexico, Southwestern
76-003147
New York
76-002983
76-002987
76-002991
76-003602
76-003662
76-003746
76-003817
76-003848
76-003894
76-003931
76-003935
New York, Central
76-003445
New Zealand
76-002875
76-003386
76-003469
76-003568
76-003687
76-003700
76-003792
Nigeria
76-002880
76-003068
North America
76-002916
76-003010
76-003275
76-003307
76-003354
76-003737
76-003738
76-003762
76-003774
76-003804
76-003808
76-003983

North Carolina
76-003424
76-003431
76-003581
76-003879
76-003923
76-003932
North Carolina, Coastal
76-003625
North Dakota
76-003151
76-003170
76-003177
76-003453
76-003463
76-003576
76-003598
76-003612
76-003754
76-003905
North Dakota: Sargent County
76-002865
North Dakota: Ward County
76-003603
Norway
76-003275
76-003276
76-003292
76-003299
76-003302
76-003660
Ohio
76-002854
76-003362
76-003464
76-003552
76-003747
76-003812
Ohio: South Bass Island
76-003095
Ohio: Wood County
76-003136
Oklahoma
76-002998
76-003637
76-003693
76-003861
Oklahoma: Cimarron County
76-003845
Oklahoma: Pushmataha County
76-003221

Oregon
76-003166
76-003533

Oregon.....continued
76-003767
76-004002
Oregon, Central
76-003062
Oregon: Columbia County
76-002917
Oregon: Harney County
76-003513
Oregon, Western
76-002904
Panama
76-003335
76-003902
Panama Canal Zone
76-003816
Papua New Guinea
76-003372
76-003547
76-003636
76-003795
76-003799
Pennsylvania
76-003175
76-003203
76-003236
Pennsylvania: Centre County
76-003201
Peru
76-003809
76-003937
76-003976
Philippines
76-003505
76-003927
Poland
76-003123
76-003134
76-003252
76-003273
76-003286
76-003316
76-003346
76-003373
76-003384
76-003399
76-003401
76-003405
76-003406
76-003435
76-003436
76-003446
76-003458
76-003733
76-003743

Portugal
76-003411
Prince Edward Island
76-003185
Puerto Rico
76-003456
76-003750

Rhodesia
76-002923
76-003315
76-003343
76-003368
76-003369
76-003380
76-003385
76-003400
76-003418
76-003450
76-003557
76-003564
76-003621
76-003645
76-003646
76-003647
76-003695
76-003696
76-003698
76-003702
76-003714
76-003716
76-003724
76-003726
76-003727
76-003778
76-003822
76-003862
76-003883
Romania
76-003676
Scotland
76-002899
76-003238
76-003404
76-003575
76-003586
76-003649
76-003800
Seychelles Islands
76-003661
76-003665
Shetland Islands
76-003652
South Africa
76-002898
76-002911
76-003105
76-003329
76-003569
76-003572
76-003582
76-003587
76-003588
76-003600
76-003613
76-003622
76-003624
76-003650
76-003657
76-003664
76-003683
76-003692
76-003708
76-003709
76-003710
76-003723
76-003780
76-003803
76-003904
South Carolina
76-002935
76-003208
76-003228
76-003540
76-003579
76-003874
South Dakota
76-003332
South Dakota: Marshall County
76-003473
South West Africa
76-002919
76-003019
76-003157
76-003319
76-003320
76-003336
76-003342
76-003366
76-003615
Spain
76-002931
76-003344
76-003393
76-003411
76-003880

Spain.....continued
76-003991
Spain, Coastal
76-003184
St. Lucia
76-003969
Sweden
76-002964
76-003083
76-003257
76-003288
76-003357
76-003425
76-003444
76-003448
76-003457
76-003561
76-003585
76-003640
76-003643
76-003720
76-003729
76-003757
76-003766
76-003802
Switzerland
76-003355
76-003382
Tanzania
76-003180
76-003310
76-003341
Tasmania
76-003836
Tennessee
76-002876
76-002893
76-003016
76-003219
76-003531
Texas
76-002918
76-003096
76-003200
76-003204
76-003207
76-003442
76-003512
76-003574
76-003861
76-003881
Texas: Big Bend Natl. Park
76-003214
76-003311
Texas: Edwards Plateau
76-003173
Texas: Kerr County
76-003172
Texas, Western
76-003871
Thailand
76-003797
Timor
76-003387
Tunisia
76-003099
Turkey
76-003002
Uganda
76-003324
76-003968
United Kingdom
76-003669
United States
76-003118
76-003588
76-003873
United States, Eastern
76-002901
United States: Great Basin
76-004004
United States, Northeastern
76-003760
United States, Southeastern
76-002853
76-003212
USSR
76-003029
76-003155
76-003168
76-003295
76-003296
76-003328
76-003407
76-003524
76-003776
76-003947
Utah
76-003126
76-003176
76-003403
76-003584
76-003721
76-003755
76-003830
76-003945
76-003972
76-004031
Utah: Beaver County
76-002849
Utah: Kane County
76-002862

Utah: Millard County
76-002849
Utah, Northern
76-004005
Utah, Southwestern
76-003004
Utah: Tooele County
76-003135
Utah: Utah County
76-002850
Utah: Wasatch County
76-002850
Utah: Washington County
76-003005
Venezuela
76-002994
76-003703
76-003888
76-004010
Vermont
76-003058
Virgin Islands
76-003868
Virgina, Southwestern
76-003059
Virginia
76-002895
76-002957
76-003018
76-003205
76-003210
76-003551
76-003553
76-003893
Virginia, Coastal
76-003722
Wales
76-003350
76-003667
Wallacea
76-003460
Washington
76-003166
76-003259
76-003427
76-003843
Washington: Long Island
76-003165
West Germany
76-002941
76-002955
76-003156
76-003244
76-003263
76-003271
West Germany.....continued
76-003279
76-003440
76-003827
West Indies
76-003375
76-003768
West Virginia
76-002897
76-003178
76-003226
West Virginia: Canaan Valley
76-002889
West Virginia, Eastern
76-003220
Wisconsin
76-002856
76-003926
Wisconsin, Southern
76-003023
Wisconsin, Southwestern
76-003038
Zambia
76-003321
76-003322

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